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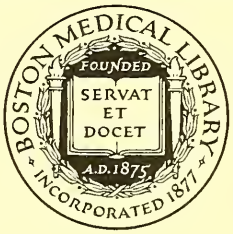

IN THE
Francis A. Countway
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THIS SLICE IS YOURS!

AGENT'S COMMISSION

WHEN YOU BUY FROM BETZ

THE question is solely up to you, Mr. Doctor, whether you save the agent's commission or whether you pay it in good hard money to the man that sells you. ¶ It costs us just as much to make the goods as it does our competitors; we probably make just as much money as they do. ¶ But the AGENT'S COMMISSION is the *Big Difference.* ¶ When you buy from us you buy at manufacturing cost, with but a single legitimate profit added. When you buy from a competitor you pay this same manufacturing cost, this same legitimate profit, but *plus the Agent's Commission and store or travelling expense.* ¶ The easiest way to earn money is to save it. The easy way for *you* to save it, is to *Act As Your Own Agent.* Order by mail from BETZ and get the slice that would regularly go to the agent. ¶ There is no risk. We guarantee complete satisfaction in every respect, or your money will be refunded. Behind this guarantee is our *enormous plant* with **$2,000,000.00** *cash capital.*

THE PRICES IN THIS BULLETIN ARE GOOD ONLY UNTIL SEPTEMBER 1, 1916

SPECIAL SURGICAL BULLETIN
FOR SUMMER, 1916

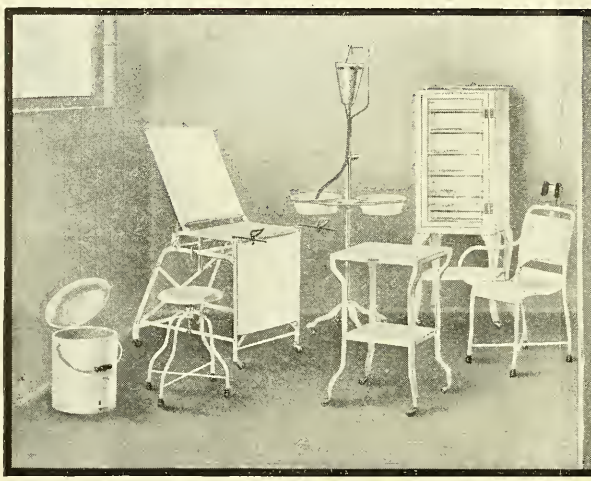
FRANK S. BETZ CO.

HAMMOND, INDIANA
CHICAGO SALES DEPARTMENT
30 E. RANDOLPH STREET

$10 CASH—$5 A MONTH

BUYS EITHER OF OUR

NEW OPPORTUNITY OFFICE OUTFITS



6S75 Opportunity Operating Room
$10.00 Cash, $5.00 a Month **$75.00**

1S45 Reception Room Outfit
$10.00 Cash, $5.00 a Month **$45.00**

YOU NEED MORE THAN KNOWLEDGE AND SKILL

to succeed in medicine today.

PATIENTS CANNOT SEE MENTAL EQUIPMENT.

it is intangible. Your possession of these requisites must be impressed on your patients through experience, but first of all **through the impression** your office makes upon them. First impressions are most important because they are generally lasting. Modern office equipment does not make you necessarily a better doctor, but it proves your ability in a concrete way to your patients and prospective patients.

CLOTHES DO NOT MAKE THE MAN

nor office equipment the doctor, but they most certainly do influence the opinion of the world towards both the man and the doctor.

WE CALL THIS OUR OPPORTUNITY OFFER

for many reasons. It is an opportunity for the young and struggling doctor to realize his ambitions. It is an opportunity for the old established physician to GET OUT OF THE RUT OF YEARS and take a renewed hold on his patients, before some YOUNG, AMBITIOUS, FAR-SIGHTED DOCTOR COMES INTO HIS COMMUNITY AND TAKES HIS BUSINESS AWAY FROM HIM.

We call this our opportunity offer on account of the **MONEY SAVING POSSIBILITIES** which it represents, as well as the easy and attractive terms at which the outfit is offered.

It is a special opportunity because it permits you to buy either the operating room or the reception room singly or both combined on the most attractive terms.

IT PAYS FOR ITSELF

Our attractive rental plan distributes the cost over many days of earning ability. We do not think there is any physician in this country who will not admit that an up-to-date equipment of this kind will **increase his income 33c a day. That is all we are asking for the two-room outfit,** that is virtually the way we are asking you to pay for it.

THE OPERATING ROOM OUTFIT

is made throughout of steel, finished in four coats of white enamel, forced on under pressure, hand rubbed and oven baked. All pieces are electrically welded, making each article a single solid piece of steel. The outfit includes:

1 Opportunity Operating Chair Table, complete with stirrups.

1 Opportunity Steel Instrument Cabinet with six plate glass shelves, plate glass door with nickel plated hinges and lock. The cabinet stands 67 inches high, with separate shelf below.

1 Opportunity Irrigator Stand with glass percolator, rubber tubing, etc., and two enamel wash bowls.

1 Opportunity Steel Instrument Table with shelf.

1 Opportunity Specialists' Arm Chair with adjustable head rest.

1 Opportunity Patient's Stool, with revolving seat which can be raised or lowered.

1 Opportunity Waste Bucket, sanitary, with automatic self-closing cover.

The price of the 6S75 Operating Room Outfit is $75.00. Send us $10.00 cash, and then pay $5.00 a month for 13 months until the entire amount is paid.

THE RECEPTION ROOM OUTFIT

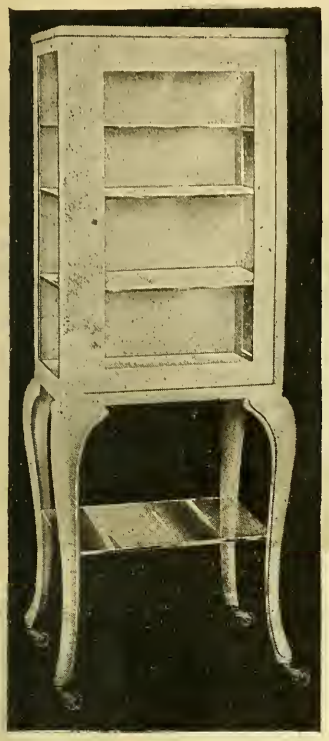
consists of the **5 Piece Illinois Set,** a 9x9 ft. reversible Scotch rug and artistic reading lamp for either gas or electricity.

The Illinois Set is made throughout of quarter-sawed oak, regularly finished in fumed oak. The chairs are supplied with genuine automobile spring seats covered with a high grade genuine Spanish leather. The complete set includes 1 Arm Chair, 1 Arm Rocker, 1 Ladies' Chair, 1 Straight Chair, 1 Library Table 26x44 inches with drawer opening from either side. Fumed oak is sent unless otherwise specified.

The price of the 1S45 Reception Room Outfit is $45.00. Send us $10.00 cash and pay the balance in 7 equal monthly payments of $5.00 each.

IF YOU DESIRE BOTH OUTFITS

The price of the New Opportunity Two-Room Office Equipment as described above is $120.00. Send us $10.00 cash and pay the balance in 11 equal monthly payments of $10.00 each.



Oval Invisible Hinge Instrument Case

Stands 58 inches high, 20 inches wide and 15 inches deep. French plate sides, front and shelves. The door is suspended on invisible hinges, and all corners on the case are round. Design and appearance of this case will please the most fastidious. This instrument case comes complete with 3 shelves in the cabinet, and one lower shelf, key and ball bearing casters.

6S2021. Price..... **$40.00**

A New Era in Hospital Furniture Construction

The improvements shown in the two pieces on this page are typical of what we are doing in Hospital Furniture construction. We are trying at all times to give our customers the best and latest in design and detail. Note particularly the

INVISIBLE HINGES

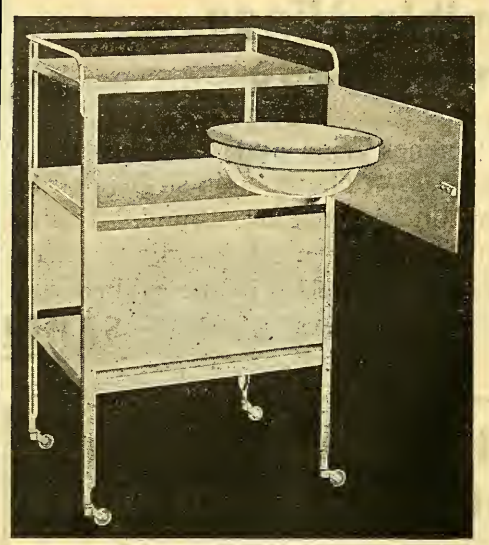
Round Corner Construction, Molded Drawer Fronts

These features added to our electrically welded one-piece construction and our superior white enamel finish in which four coats are forced on under pressure, hand rubbed and oven baked after each coat, makes our hospital steel furniture the recognized superior of any line on the market. Notwithstanding these wonderful improvements, the articles are still attractively priced within the reach of every doctor.

The Clark-Anderson Utility Office Table

Stand is designed for the busy practitioner. Contains one large drawer and two small drawers. It is 18 inches wide, 33 inches long and 33 inches high. Has nickel plated rod running around three sides, as well as the towel rack on one end of the stand. The adjustable basin on the table allows a vertical adjustment of over 12 inches. The whole outfit is made of steel covered with four coats of white enamel and beautifully designed. The top of the cabinet is covered with carrara white glass. Sold by many people for $45.00.

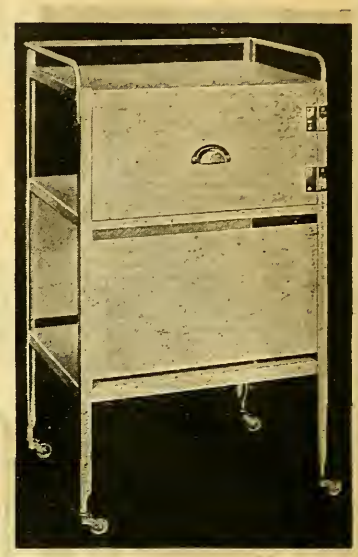
6S2001. Our special price..... **$33.00**

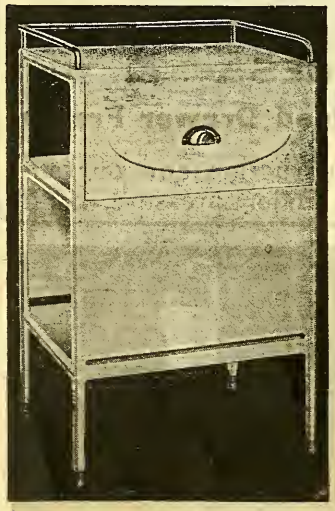


NEW WARD Bedside Table

16x20 inches. Made entirely of steel, electrically welded and white enameled. The front is so arranged that by opening the plate at a right angle, the wash basin is handily placed, so that the patient may be sponged down. This bedside stand is so designed that one stand will accommodate two ward beds.

6S811. Price..... $8.50





Round Corner Ward Bedside Stand

This is a beautiful bedside stand 16x20 inches, with nickel plated rail, disappearing basin front, having all the advantages of our new Ward Bedside Stand, but being constructed of round cornered steel. Designed to accommodate two beds at one time. The stand is made of steel throughout, electrically welded and demonstrates the acme of perfection in workmanship.

6S2007. Price..... $12.50

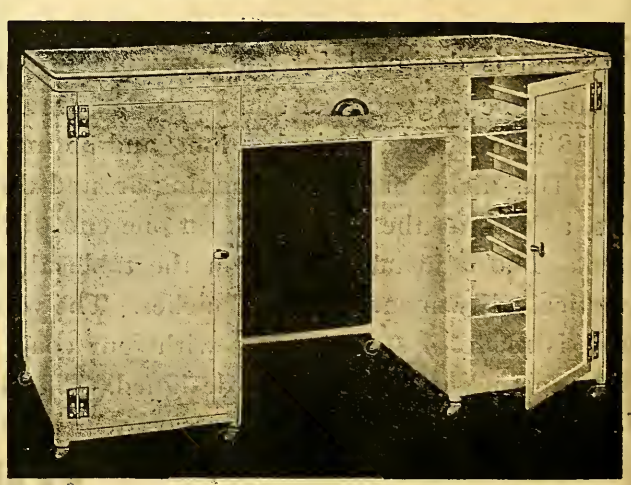
Note the Round Cornered Sanitary Construction

All joints are flush with no crevice for germs or dust to lodge in

Thirty Chart File Nurses Desk

Made of steel, round cornered and electrically welded. No sharp corners whatsoever on this desk. Accommodates 30 chart files and has a confidential drawer between the two chart file sections of the desk. 24 inches wide, 48 inches long and 30 inches high, finished in four coats of hard white enamel.

6S722. Price..... $54.00

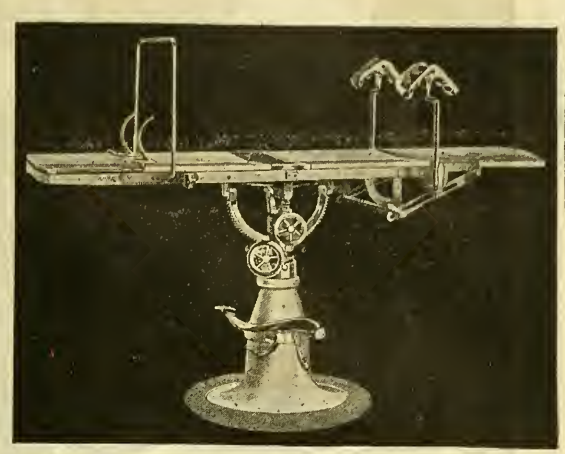


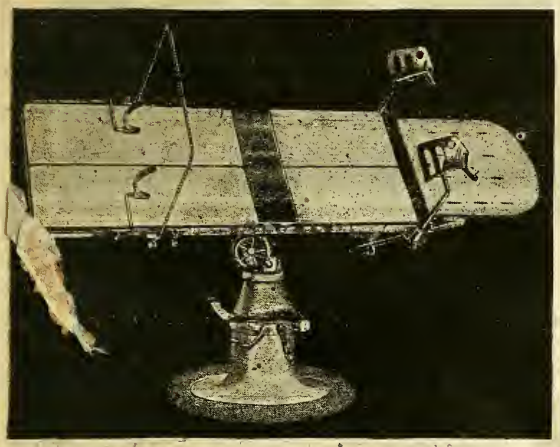
DR. J. B. MURPHY'S MULTI-PLANE HYDRAULIC OPERATING TABLE

A $450.00 TABLE FOR $225.00

This table will allow extreme positions, rotate in any direction, elevate, lower, tilt and slant. The top is finished in beautiful snow white porcelain and can be placed in any position by simply turning a crank.

The only Multi-plane Hydraulic Operating Table equipped with "kidney elevators."





This is the table that many hospitals have been waiting for. It is made in America and you don't have to pay 45% duty on it. It will give you positions that many manufacturers claim impossible on an operating table.

Use it sixty days and if your nurses, your superintendent and your visiting surgeons do not say that it is the finest operating table yet made, pack it up and return it to us and we will refund every dollar of your money and pay the freight both ways.

This table was demonstrated at the American Medical Association in Detroit and met with universal approval. Do not blame us if we have to raise this price, but we will sell the first ten tables at $225.00. WILL YOU BE ONE OF THE DOCTORS OR HOSPITALS WHO WILL SAVE $200.00 ON THIS TABLE?

Write for full particulars.

6S752.

6S734.

6S751.

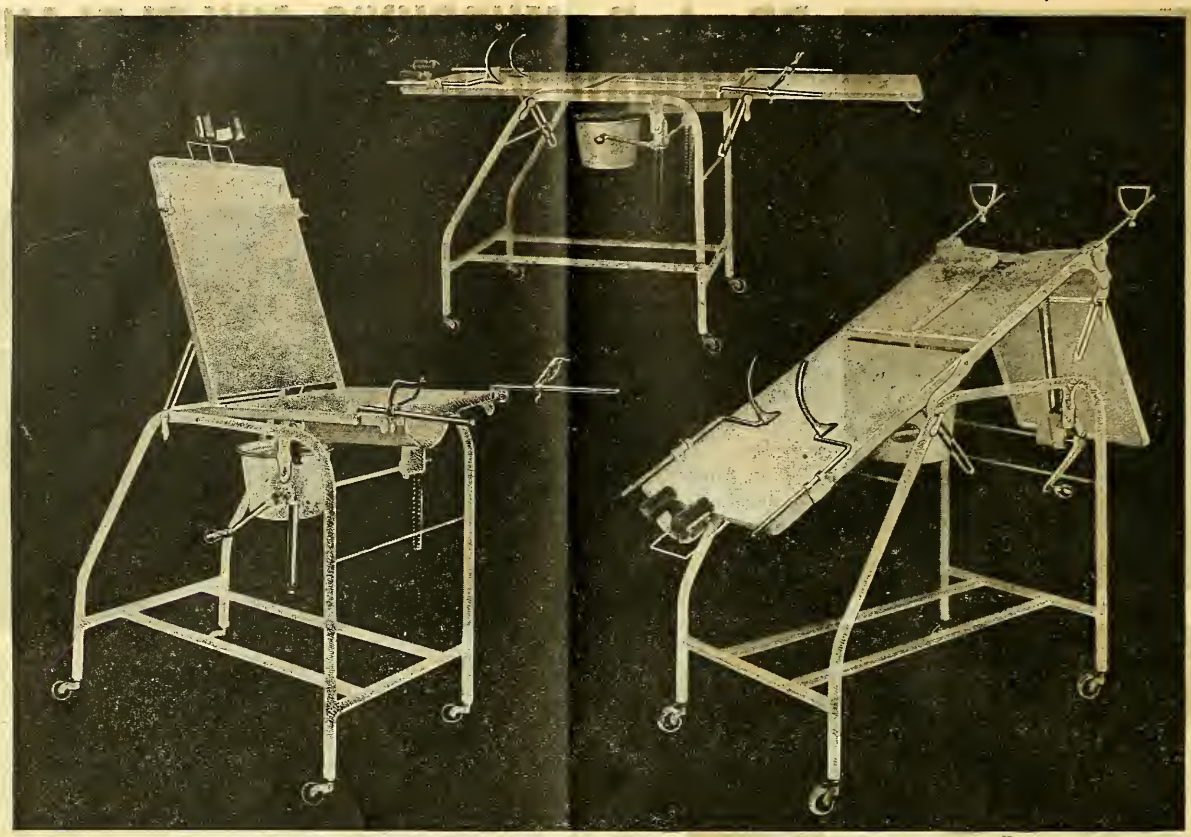
6S752. U. S. ARMY FOLDING CHAIR TABLE. So evenly balanced that a boy can obtain any position with the heaviest patient. Made of steel enamel. Finished 4 coats white enamel with leg holders and stirrups, on ball bearing casters. It can be folded up and carried in your automobile **$15.50**
Imitation leather cushion for same..... **3.50**
Genuine leather cushion 6S753..... **7.50**
Adjustable head rest..... **2.00**

6S734. BALDWIN NEW MODEL OPERATING TABLE. Complete with leg holders, stirrups, shoulder straps, etc. All trimmings nickel plated. Drain pan made of pressed steel. Top of table steel white enamel **$39.50**

BETZ 3-PIECE STARTER OUTFIT

6S751. U. S. ARMY TABLE, with leg holders, **two-bowl irrigator,** with tubing and extension rod, on ball-bearing casters, and **glass top and metal shelf instrument table.** This outfit is sold by others for $35. No firm in the world finishes these goods as fine as we do ours. Price..... **$25.50**

6S753. Genuine leather top cushion for operating table, extra..... **$7.50**

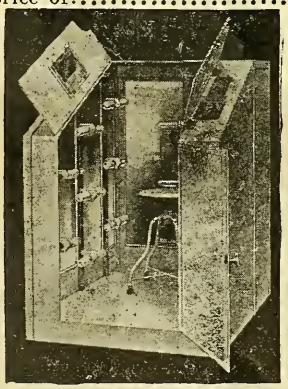


ISAAC'S $45.00 CHAIR TABLE $25.00

FOR 30 DAYS ONLY

Orders Received After Sept. 1st will Not be Accepted at this Price

6S736. ISAAC'S CHAIR TABLE. Frame is electrically welded in one piece of steel. Operated by worm gear. Trimmings nickel plated. Has removable foot board so much wanted by specialists. Adjustable head rest and stirrups for every position. Shoulder straps, drain pan and bucket. Heavy casters. Fnished white enamel, oven baked. At the phenomenal 30 day price of.....**$25.00**



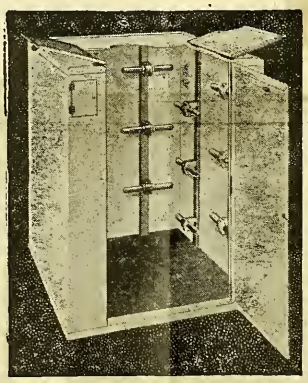
ELECTRIC LIGHT BATH CABINET

9S2063. All steel, electrically welded, finished in 4 coats white enamel, hand rubbed and oven baked. Standard size 34 inches wide, 46 inches deep and 48 inches high. Absolutely as fine a cabinet as can be manufactured at any price. Forty 16 C. P. 110 volt tubular lamps, controlled by separate switches from the outside. Asbestos lined with steel revolving stool, white enameled for **$150.00**

We make more Electric Cabinets than any other firm in the world.

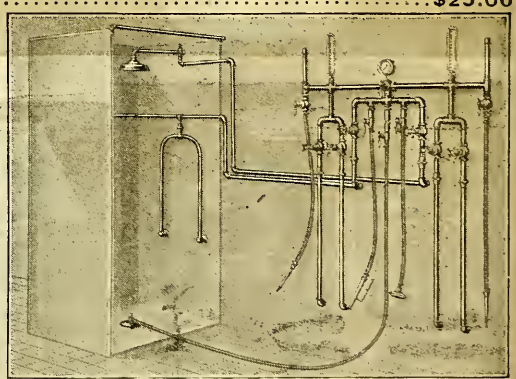
Come to Hammond and we can prove this statement.

9S2061. Steam **$88.00**
9S2062. Hot air **99.00**



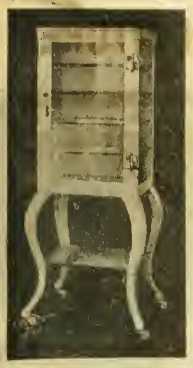
STEEL ELECTRIC LIGHT CABINET $105.00

9S2092. Steel Electric Light Bath Cabinet. Electrically welded, lined with asbestos. Finished throughout in white enamel, 4 coats oven baked. Fitted with thirty-six 16 C. P. 110 volt tubular globes. Set in double waterproof porcelain sockets. Equipped with switches operated by patient from inside. Dimensions 34 inches wide, 40 inches deep, 46 inches high. Exactly as illustrated for alternating or direct current **$105.00**



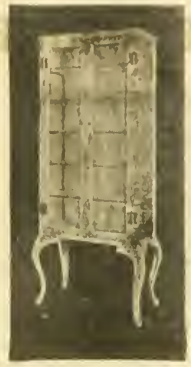
8S202. This $400.00 **Hydro-Therapeutic Outfit** complete with Shower and Needle Bath, Mixers, Douches, Sprays, Gauge, Thermometer and Stal as shown, full nickel plate.
Special price **$250.00**

6S861. TREATMENT TABLE. 24x80 inches. Stand is welded into one piece of steel. No unsightly rivets, bolts or couplings. Upholstered in genuine leather. Price. **$42.00**



6S963

6S952



6S953

6S963. INSTRUMENT CABINET. Stands 58 inches high, 20 wide, 15 deep. Crystal plate shelves, sides and door. Nickel trimmed. 3 shelves.....**$34.65**

6S964. Same cabinet, 4 shelves. Price..... **36.85**

6S962. Similar to 6S963. 62 inches high, 20 wide, 15 deep. Polished crystal plate door and 3 shelves. Steel sides, nickel trimmed and crystal plate shelf below cabinet.....**$30.25**

6S952. ALL STEEL INSTRUMENT CABINET. 72 inches high, 24 wide, 15 deep. Six crystal plate shelves and sides, and beveled plate doors with shelf underneath. Worth $75.00. Only **$57.20**

6S954. Same cabinet with short legs..... **55.00**

6S957

6S956

6S955

6S953. A. M. A. CABINET. 70 inches high, 26 wide, 14 deep. Five polished crystal plate shelves and doors and steel sides. Worth $75.00. Only.....**$52.25**

6S957. INSTRUMENT CABINET. 55 inches high, 24 wide, 15 deep. Six crystal plate shelves and sides. Beveled door, nickel trimmed. This Cabinet sells for $100.00. Price **$60.50**

6S956. ALL STEEL INSTRUMENT CABINET. 72 inches high, 24 wide and 15 deep, heavy crystal plate glass door and sides, 9 heavy crystal plate shelves, nickel trimmed, finished white enamel, oven baked, and mounted on ball bearing casters. Price.....**$78.75**

Go through the factories of the great hospital furniture makers and then come and see us.

CALUMET CHAIR

6S745. Made to meet the demands for a popular office chair giving you all the necessary positions. Price **$40.00**

WOOD INSTRUMENT CABINETS

6S970. 70 inches high, 24 wide, 14 deep, 3 shelves, 3 drawers.
All white enameled. Price **$21.00**
Golden oak. Price **$17.00**

6S972. CABINET. 72 inches high, 27 wide and 14 inches deep, 4 crystal plate shelves, glass door and sides, mirror top, on casters. Price.....**$20.50**

WHITE ENAMELED INSTRUMENT CABINETS

We manufacture the largest line of instrument cabinets in the world, and can quote you on any size case, no matter how small or how large. Our prices are always consistent with the highest quality and best workmanship, and people who have gone through hospital furniture factories claim that we have the finest factory of its kind in the world. If you want an instrument cabinet let us know your requirements, and we will give you a superior quality, and at the same time save you money.

6S955. All steel and crystal plate, 63 inches high, 30 wide, 15 deep, heavy bevel door, heavy crystal plate shelves and sides. Others get $125.00. Only.....**$77.00**

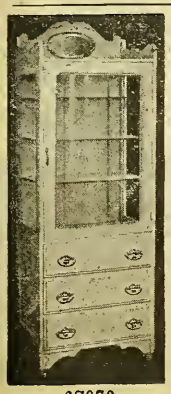
6S950. ALL STEEL INSTRUMENT CABINETS. 6 feet high, 6 feet wide, all steel, electrically welded, heavy beveled door and sides, crystal plate shelves, full nickel trim. We offer this Cabinet free to the first doctor or institution who will give us the name of one concern in the world that can turn out a cabinet equal to it. Our price.....**$130.50**

6S960. Same as 6S950. Stands 65 inches high, 50 wide, 15 deep. Four crystal plate shelves, sides and beveled plate doors. Nickel trimmed. Large shelf below cabinet. Worth $125.00. Only **$77.00**

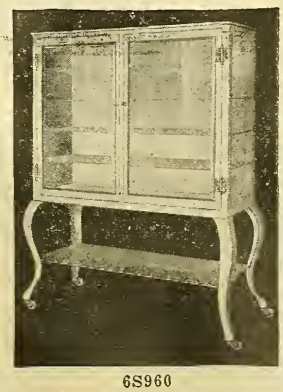
6S961. Same cabinet, 60 inches high, 30 wide, 15 deep. Four shelves. Only **$57.20**

THE HAMMOND BALL BEARING CHAIR

6S741. The frame is made of kiln dried oak. Body and base made of steel and iron. Large screws, machine cut. The chair is upholstered and finished in waterproof, genuine leather. All trimmings nickel plated. Stands 36 inches high, 71 inches long and 26 inches wide. With adjustable head rest and nickel plated gynecological stirrups. Price only **$45.00**

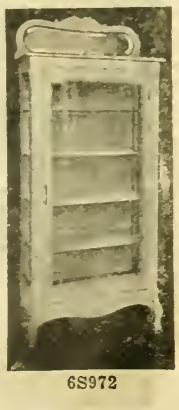


6S970



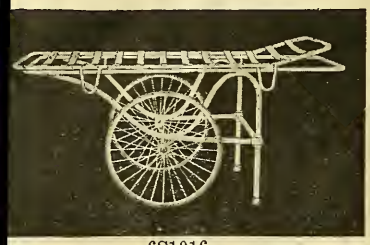
6S960

6S950

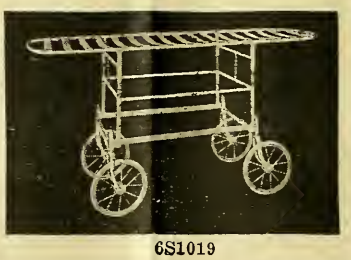


6S972

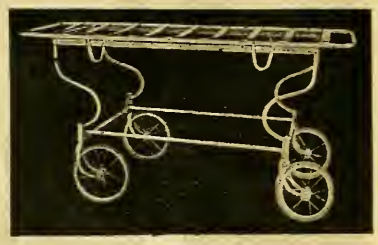
ALL STEEL ELECTRICALLY WELDED WHITE ENAMELED FURNITURE

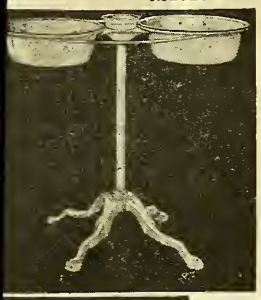


6S1016



6S1019





Solution Bowl Stand. One of the 18 styles of solution bowl stand.

6S904. With two 13 in. enamel bowls ...**$5.50**

6S906. With two 12 in. glass bowls ..**$10.95**

6S907. With two 14 in. glass bowls ..**$14.40**

6S805

ST. ANTHONY BEDSIDE TABLE

Angle steel. Heavy crystal plate top and shelves. Mounted on ball bearing casters, electrically welded. No rivets.

6S805. Size 14x18 in.
3 shelves.....**$5.50**
2 shelves..... **4.95**

6S806. Size 16x20 in.
3 shelves.....**$6.35**
2 shelves..... **5.75**

6S807. Size 18x24 in.
3 shelves.....**$9.35**
2 shelves..... **8.50**

6S1107. BEDSIDE STAND. Top 16x20 in. with railing, 32 in. high. With large steel drawer and compartment below. Nickel trimmed. On rubber feet or casters. Price **$10.45**

NEW YORK TABLE

6S795. 16x20 in. Pressed steel legs, on rubber feet or casters, white enameled, oven baked.

Style A.—Steel top and shelf. Only..**$4.50**

Style C—Porcelain top and steel shelf. Only **$3.50**

Style H—Crystal plate glass top and shelf. Only **$5.50**

WHEEL STRETCHERS

Every part made in our own factory, electrically welded and absolutely guaranteed.

The forks are all forged from steel. Our wheels are guaranteed to be the strongest and the rubber tires the heaviest used, and while our price is the lowest, it costs more to produce our stretcher than it does many sent out.

6S1020. Wheel and Carrying Stretcher. Top upholstered or quarter sawed oak, with hand holds on each corner. 72 in. long, 22 wide. On two 12 and two 24 inch wheels. Nothing superior. Only **$31.00**

6S1030. ROOSEVELT HOSPITAL **WHEEL STRETCHER.** Top 22x72 in. On 12 and 24 in. wheels. Will turn in its own length. Has telescoping adjustable head rest. Cheap at $75.00. Only..**$43.00**

6S1016. LAKESIDE STRETCHER. With removable steel carrying stretcher on feet. Will pass through a 26 in. door. On two 24 in. wheels. Buy it and if not one of the finest pieces of work in your institution, send it back and charge all expenses to us. All joints welded...**$31.50**

6S1019. WHEEL AND CARRYING STRETCHER. Made from government specifications. On steel spiral springs to prevent jar. Will turn in its own length. 72 in. long, 22 wide. No sharp corners to damage the walls. On 12 in. wheels. Others get $50.00. Only **$31.50**

6S1023. VIENNA WHEEL AND CARRYING STRETCHER, with removable steel carrying stretcher on feet. On two 12 and two 24 in. wheels, 72 in. long, 22 wide. Only **$34.00**

6S1024. Same as above, with four 12 in. wheels. Only..**$30.00**

6S1025. PARKER'S WHEEL STRETCHER. Top can be lowered even with the bed. Patient slid on, taken to the operating room, raised even with the table and slid off. It cost only $300 to make the first one. Made entirely of steel, clinch-on rubber tires, machine cut gears, ball bearing chain, four coat white enameled. Worth $125.00. Only **$65.00**

BEDSIDE TABLE

Top and shelves of heavy polished crystal plate glass, rubber feet.

6S800. Size 16x20 in. Price **$7.15**

6S801. Size 18x18 in. Price **$7.45**

6S802. Size 18x22 in. Price **$8.00**

6S803. Size 20x20 in. Price **$8.25**

RAILWAY SURGEON STAND

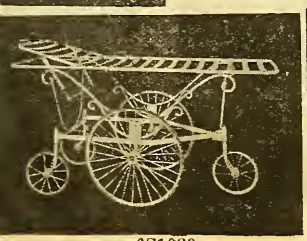
6S1014. Crystal plate top, 18x20 in. with Railing, Irrigator, Swinging Bowl, 9 Glass Stoppered Bottles. Compartment 20x16x12 in. for Bandages, Pus Basin, etc. Nickel trimmed. On casters. Worth $16.50. Only **$10.25**

6S1064

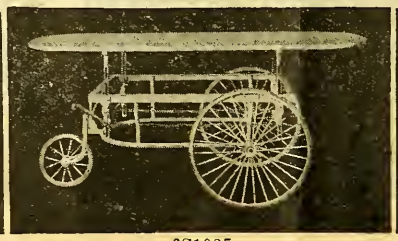
6S1064. UNIVERSAL STEEL TOP, 16x21 in. Nickel trimmed.....**$ 3.30**
Six for.....**$19.25** Doz. **38.00**

6S1065. BETZ STEEL TOP, 16x21 in., with shelf .....**$ 4.40**
Six for.....**$25.85** Doz. **51.70**

6S1066. HARTLEY'S BEDSIDE TABLE, 16x20 in. Steel top with raised edge. Price **$5.20**



6S1023



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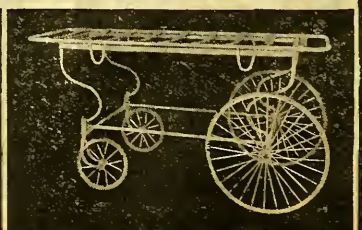

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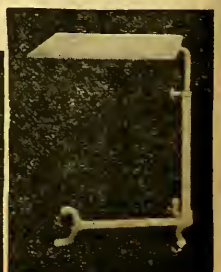

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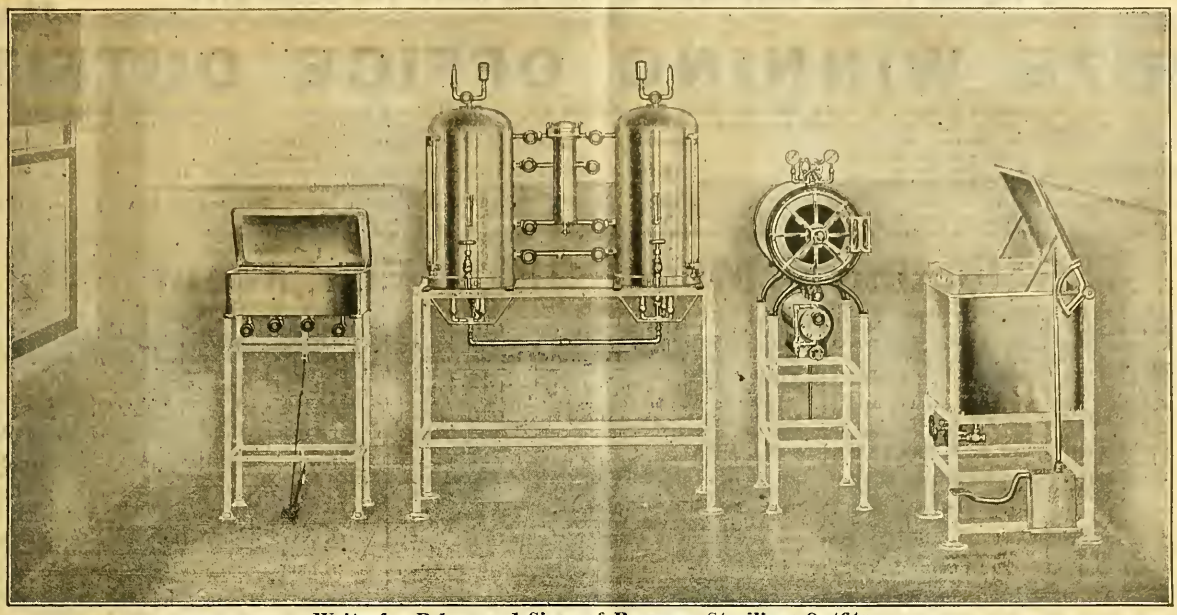
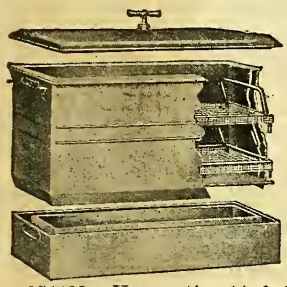


Write for Prices and Sizes of Pressure Sterilizer Outfits



Sterilizers, Steam or Hot Air; Separate or Combined.

For Electricity, Gas, Gasoline, Alcohol or Steam.

The part with the double walls is for dressing. The reservoir below for water and instruments.

The polished copper outfits are all re-tinned on the inside and will last a lifetime. Those of TIN have copper bottoms.

6S1199.	Heavy tin, 14x6x6 inch	$ 5.70
6S1200.	Same size, all copper	10.75
6S1201.	16x7x7 inch, copper bottom	6.95
6S1203.	Same size, all copper	12.10
6S1205.	18x8x8 inch, copper bottom	8.25
6S1207.	Same size, all copper	16.50

Nickel plated **$1.50** extra.

INSTRUMENT STERILIZER

Always state Current when ordering Electric Heaters.

6S1421.	Size 16x8x6 inches, gas heater	$23.40
6S1421A.	Size 16x8x6 inches, gasoline heater	25.30
6S1421B.	Size 16x8x6 inches, electric heater	31.65
6S1421C.	Size 16x8x6 inches, for steam	24.05
6S1423.	Size 20x8x6 inches, gas heater	25.30
6S1423A.	Size 20x8x6 inches, gasoline heater	27.30
6S1423B.	Size 20x8x6 inches, electric heater	34.80
6S1423C.	Size 20x8x6 inches, for steam	28.45
6S1425.	Size 20x12x7 inches, gas heater	28.45
6S1425A.	Size 20x12x7 inches, gasoline heater	30.50
6S1425B.	Size 20x12x7 inches, electric heater	39.10
6S1425C.	Size 20x12x7 inches, for steam	31.65

Nickel plated on any of the above, **$3.00** extra.

6S1375. HOMEWOOD double Wall Dressing Sterilizer, 16x7x7 with Water Base, Instrument Sterilizer, same size, and 2 Water Tanks, 3 gallons each, with Gas Heaters. Price $57.50

6S1376.	Same, with gasoline heaters	62.60
6S1377.	Same, with electric heaters	94.90

Tanks and Sterilizers nickel plated, **$9.75** extra.

6S1345.	**ERIE OUTFIT,** with 16x7x7 Dressing and same size Water Sterilizer Gas Heaters	$28.45
6S1346.	Same, gasoline heaters	31.00
6S1347.	Same, electric heaters	47.65

Sterilizer, nickel plated, **$4.50** extra.

6S1350.	**ERIE OUTFIT,** with Steam and Hot Air Dressing and Instrument Sterilizer, 18x8x8 inch, and Water Sterilizer with Faucet and Gauge, Gas Heaters	$34.80
6S1351.	Same, gasoline heaters	37.30
6S1352.	Same, electric heaters	56.30

Sterilizers, nickel plated, **$5.25** extra.

6S1360.	**DEAKIN OUTFIT.** Same as 6S1345, with extra Instrument Sterilizer, Gas Heaters	$37.95
6S1361.	Same, gasoline heaters	41.75
6S1362.	Same, electric heaters	64.50

Sterilizers, nickel plated, **$6.75** extra.

6S1365.	**DEAKIN OUTFIT.** Same as 6S1350, with extra Instrument Sterilizer, Gas Heaters	$44.30

BOYD'S STERILIZING OUTFITS

Heavy Cold Rolled Polished Copper (re-tinned inside).

6S1326.	3 gallon Water Tank, Gauge and Faucet and 16x7x7 inch Steam and Hot Air Dressing Sterilizer with extra instrument sterilizer, gas heaters. Price	$41.10
6S1327.	Same outfit, gasoline heaters	44.90
6S1328.	Same outfit, electric heaters	67.60

Sterilizers, nickel plated, extra 6.75

6S1330.	With 3 gallon Water Tank and 18x8x8 inch Sterilizer, with extra instrument sterilizer, gas heaters. Price	$46.00
6S1331.	Same outfit, gasoline heaters	49.90
6S1332.	Same outfit, electric heaters	72.10

Sterilizers, nickel plated, extra 7.50

6S1335.	With 5 gallon Water Tank and 22x10x10 inch sterilizer, with extra instrument sterilizer, gas heaters. Price	$60.70
6S1336.	Same outfit, gasoline heaters	65.15
6S1337.	Same outfit, electric heaters	101.20

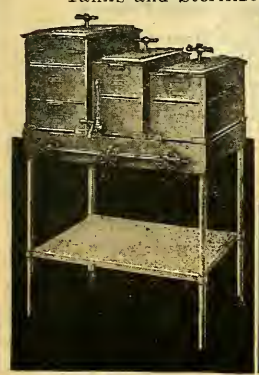
Sterilizers, nickel plated, extra 11.25

HOSPITAL STERILIZER

6S1211. Copper Sterilizer, 22x10x10 inches inside, with 5 inch water reservoir, faucet and gauge below. Price $23.55

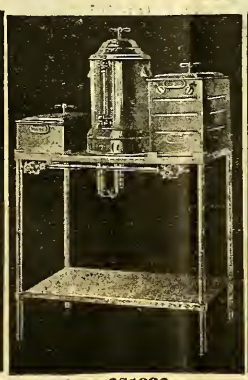
If nickel plated, **$4.50** extra.

6S1212.	**Stand,** as shown above	6.35
6S1273.	**Swedish Pressure Heaters,** pair	8.85
6S1208.	**Gasoline Heaters,** extra	8.85
6S1209.	**Duplex Gas Heaters,** extra	7.50
6S1210.	**Electric Heaters,** extra	11.50

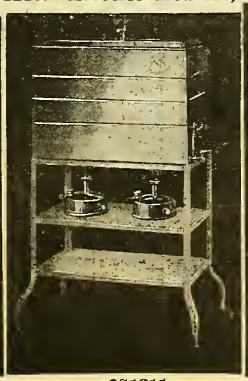


6S1345

6S1421



6S1326



6S1211

6S1375

PRIZE WINNING OFFICE OUTFIT

Last spring we offered $100.00 in cash for the best suggestion on an ideal office equipment. The original intention was to give but a single prize, but the general excellence of many of the suggestions lead us to award the $100.00 as follows:—

FIRST PRIZE—Jesse L. Rains, M. D. $50.00
Grangeville, Idaho

SECOND PRIZE—G. H. Smith, M. D. 10.00
Peshtigo, Wis.

THIRD PRIZE—Oliver H. Griffith, M. D. 10.00
Burning Springs, W. Va.

THIRD PRIZE—Hart E. Fisher, M. D. $10.00
Chicago, Ill.

FOURTH PRIZE—C. N. Greenman, M. D. 10.00
Kankakee, Ill.

FIFTH PRIZE—Ernest Leroy Wilson, M. D. 10.00
Lake George, N. Y.

The clever handling of Dr. Rain's winning suggestion causes us to reproduce it in full herewith:—

Selecting a Model Office Equipment

My young friend, Dr. Greenleaf, had just graduated from one of the best medical schools in the United States, yet he came to me for advice—me, an old fossil who has forgotten all—everything he ever learned in school!

"Dr. Rains," he said, "I'm stuck, and I want your advice."

"Me first," I replied. "I want your advice about an old stiff that won't get well."

"Oh, I can tell you anything you want to know about any disease under the sun," said Dr. Greenleaf airily. "But there are some things I wasn't taught in college, and I am worrying about one of these just now. I want to know what instruments and office equipment I will need. I've seen every modern operation, and performed many of them while I was an interne; and you might think I'd know just exactly what I needed—and I thought so too, until I started to make out an order then I decided to save time by seeing someone who had some experience in that line."

"I feel relieved to know that the job you picked out for me is as easy as that. But first tell me why you think it such a difficult task?"

"Well, I made out a list of things I absolutely needed, but I found it would take thousands of dollars to pay for them—and I haven't got a thousand dollars, and don't ever expect to have that much. I was afraid to cut out any of the items because I didn't know what I would need right away and what I could put off ordering for a time."

"If you bought that much equipment at once," I replied, "you would be swamped. It would take a warehouse to store it, and you would be months in getting things adjusted to their proper places. Now I can give you some slight idea about how to figure this thing out, for I've bought lots of equipment in my time. Before you make out any orders, you must decide several things—first, what is your practice going to be, general practice or a specialty? Second, where are you going to practice, in a town or in the country, where there are other doctors with whom you can associate, or where you have to do everything alone? Third, how pretentious an office are you planning? Fourth, are you going to prescribe or to dispense your medicines?"

"I'm going into a town of about 2500 where there are several doctors, but still room for one more, and I'm going to take every kind of work I can get. I have only about $350.00 that I can put into equipment just now. I don't expect to handle any medicines at all."

"Ah! Now we have something to work on. I got a copy of Betz's 1916 equipment catalog the other day, also a copy of his latest furniture catalog, and in looking through them I wished that I had had the chance to buy such fine equipment at such remarkably low prices when I began practice. Besides the advantage in price, there is another good reason for buying of Betz—he sells everything that a doctor or a doctor's wife or a doctor's kids could want."

"Betz! You don't buy anything from him, do you? Why, a salesman for one of the big instrument houses told me the other day that Betz is a little one-horse shebang that sells second quality instruments and a lot of other cheap junk!"

"Take it from me, my boy, that man had an ax to grind and furthermore his middle name is Ananias. I have bought all kinds of medical and surgical equipment from Betz for many years. That ought to prove to you that he sells good stuff, for I wouldn't have any but the best, and if a man cheated me once I wouldn't buy of him again. Look around at my office—practically everything here of any importance was made by Betz. And as for the 'little one-horse shebang,' I visited his factory a few years ago, so I know from personal observation that his plant is every bit as big as his catalog claims it to be. It stands to reason that the 'shebang' would not be as big as it is, if he sold 'second quality instruments' or 'other cheap junk!'"

"Well, of course I'd take your word for it in preference to that of a jealous salesman. I can see with my own eyes that you have a fine equipment.

"All right—if you're satisfied, we'll go ahead. The thing for you to do just now is to get the absolutely essential things, and then add to your equipment as you find need for it.

"Let us decide this much—that every article you buy is to be looked upon as part of your permanent investment, no matter how much other equipment you may add in the course of years. Naturally improvements are made in instruments and other equipment from year to year, and some things wear out, so that it occasionally becomes necessary to duplicate or to replace an article; but this plan we are going to follow will save you a good many dollars because there will be no needless experimenting with various designs of instruments or apparatus and this will prove especially valuable to you during your earlier years of practice.

"First, let us make out a list of the essential equipment for your office. It is usual, as well as being the most convenient arrangement, for a doctor to have at least two rooms—a waiting room and a private office. Then there is the matter of signs, both inside and outside. Signs are mighty good advertising, and are as ethical as anything can be. In selecting furniture for your waiting room remember that it will be subject to hard usage; people will sit down on the chairs with wet clothing on, and the kids will climb over everything with their muddy feet; so get good solid stuff, with a fumed oak finish so it can be refinished if necessary after a time. For your private office you may as well start off right by getting a good desk and chair and card index and vertical files. Right here let me tell you something: Don't buy an odd sized filing equipment—always get card index files and supplies in the regular sizes, 3x5, 4x6 or 5x8, and vertical letter files to take standard sized manila folders 9½x11½.

"I include a sectional bookcase in this list, as it will serve a double purpose—to house your books, and also to take care of your instruments until such time as you feel you can afford a regular instrument cabinet. (Always buy 11 inch sections, as the average medical book will not go into a 9 inch section.)

"One of the most essential things in your private office is a good examining chair or table. The Hammond chair is the most convenient you can get, but as you are after all you can buy for your money just now I have included in this list the Betz three-piece starter outfit, so you can use the table of this outfit until you are ready to get the Hammond chair.

***2R5097.** Electric Office Sign
2R5107. Glass Window Sign, 8x20
2R5122. Brass Door Sign, 5x14
2R5112. Brass Sign "Walk In" for door
***1R5110.** Office Indicator.
***1R3333.** Special 3 Piece Office Outfit
***1R733** Illinois 5 Piece Set
***1R1019.** Sectional Bookcase,5 11 Inch Sections
***6R751.** Three Piece Starter Outfit
***6R753.** Leather Cushion for Table
1R3039. Special Office Light
***6R1171.** Mt. Sinai Lamp
***6R1207.** Copper Sterilizer
6R1090. Baker's Waste Receptacle
***6R1074.** Four Steel White Enameled Chairs.
2R1501. Pus basin, 7 inch
***2R1507.** Shaped Pus Basin, 12 inch
***2R1523.** Office Tray, 15x9x2-12
2R1650. Male Urinal, Glass, Graduated
2R1658. Female Urinal, Glass, Graduated

Floor Coverings, Foot Scrapers, etc.

1K3349 Inlaid Linoleum for Waiting Room, say 12x15, 20 sq. yds.
1K3351. Inlaid Linoleum for Private Office, say 15x24, 40 sq. yds.
1K3302. Office Rug for Waiting Room, 9x12
1K8951. Brass Cuspidor
1K4270. Brass Umbrella Holder
1K5253. Flexible Steel Mat, 22x36, with Brush

"When you have obtained all the above equipment you will have about as nice an office as any one could want—and at a price which is marvelously low, considering both quality and quantity, and also marvelously low in comparison with prices charged by other dealers.

"Now let us make a list of the articles which you are apt to need at any moment during all the time you are in practice. Let us include nothing that can be dispensed with, and let us pick out articles with regard to their utility and not to their price.

DIAGNOSTIC EQUIPMENT

***3R4861** Fosgate's Vibroscope (Stethoscope).
***3R5156.** Advance Thermometer, h. r. Case
***3R4640.** Rochester--Miller Vaginal Speculum, Virgin
3R4646. Rochester Parallel Blade Speculum, Large
3R4525. Rochester-Pratt Rectal Speculum
***3R4510.** Rochester Ear and Nasal Speculum
9R2818. Current Controller for Lamps
9R1415. Cords for Lamps
3R3375. Diagnostic Lamp
***2R319.** Urinary Test Outfit
3R3412. Folding Metal Head Band
***3R3404.** Head Mirror, 3½ inch, ½ inch hole
***3R3408.** Three Boilable Throat Mirrors, 1, 3, 5
3R3247A Astigmatic Clock Chart
3R3247B Snellen's Test Type Chart
***3R1139.** Wood Tongue Depressors, 1 box
3R8001. Fountain Pen Light Outfit
Anesthesia
***3R2856.** Schimmelbusch Chloroform Mask
***3R2701.** Denhart's Mouth Gag, Leaded Jaws
***3R2510.** Senn's Tongue Forceps
Repair of Wounds
3R2161. 6 Pean's Hemostats
3R2217. 1 Kelly Hemostat, Straight
3R2218. 1 Kelly Hemostat Curved
***3R2128.** Tissue Forceps, 5½ inches.
***3R2815.** Richter Needle Holder
***3R3620.** 1 doz. Hagedorn Needles, Full cv., asstd.
***3R3627.** 1 doz. Hagedorn Needles, ½ cv., asstd.
3R3695. 1 doz. Martin's Intestinal Needles, asstd.
2R4005. 1 bot. Catgut, Plain, 3 sz.
***3R4008.** 1 bot. Catgut Chromozone, 3 sz.
***2R4162.** 1 Skein Pagenstecher Celluloid Linen.
2R4175. 1 pkg. Silkworm Gut, medium.
***2R4205.** 1 Card Silk, Braided, 4 sz.
2R4230. 1 bot. Horsehair Sutures
2R7975. 1 bot Drainage Tubes
2R4269. Needle Box

GENERAL SURGICAL EQUIPMENT

*2R4344. 1 lb. Absorbent Cotton, 8 oz. pkgs.
*2R4397. 1 lb. Plain Gauze Bandages, asstd.
2R4423. 1 yd. Gutta Percha Tissue, light
*2R4446. 1 Spool Zinc Oxid Adhesive Plaster, 3 inch
*2R4240. 1 gro. Safety Pins small
2R4235. 1 doz. Swope's Bandage Fasteners
*2R145 Betz Pocket Instrument Case
3R2115. Cilia Forceps
*3R2214. Splinter Forceps
3R3873. Bristle Probang
3R2950. 1 Set Murphy Knives
*3R3001. Liston's Amputating Knife, 7 inch
3R3091. Parker's Retractors
*3R4131. Scissors, Straight, 6½ inch
*3R4139. Scissors, Curved, 6½ inch
3R5092. Glass Syringe, Straight Tip, 2 oz.
*3R5259. 1 Set Trocars
*2R7907. Stomach Tube
2R7054. 1 doz. Surgeon's Finger Cots
*2R7930. Esmarch's Tourniquet
*2R7958. 2 pr. Rubber Gloves, medium weight, rough

Bone work, fractures

3RS83. Brun's Chisel, small
3RS87 Brun's Gouge, small
3R1256. Allis Periosteum Elevator
*3R1412. Galt Trephine, ¾ inch
*3R1923. Liston's Bone Cutting Forceps, 8 inch
*3R1931. Luer's Bone Rongeur Forceps
*3R4058. Satterlee's Amputating Saw
3R4078. Gigli Wire Saw Handles
3R4081. Gigli Saw, 12 inch
2R7510. 1 Bundle Yucca Splints

Gynecology and Obstetrics

3R72 Uterine Packer, 10 inch
*3R1067. 1 Set (3) Byford's Uterine Curette
*3R1194. Wylie's Uterine Dilator, with Gage
*3R1278. Goldstine's Uterine Douche
*3R2401. Vulsellum Forceps, 9 inch
*3R2542. Thomas' Uterine Dressing Forceps
3R4420. Fitch Uterine Sound, with Gage
3R1095. Goldstine's Heavy Uterine Curet
2R7854. Kelly Pad, 20x44
*3R2309 Elliott's Obstetric Forceps, 15 inch
3R2337. Hook and Crochet
*2R4111. 1 doz. Umbilical Tapes

Genito-Urinary

*3R4401. 1 Set Fowler's Urethral Sounds
*3RS07. 2 s. r. Catheters, 14 and 18 F.

Eye, Ear, Nose, Throat

*3R6 1000 Wood Applicators, 6 inch
*3H1043. Ear Curet and Hook
3H1077. Hartman's Ear Forceps.
*3R3008. Bellocq's Canula
3H3077. Harris Tonsil Knife and Dissector
*3R5240. Roberts' Tonsil Scissors
Bags, Etc.
*2R1003. 3 Canvas Instrument Rolls
*2H5238. Dr. Edlen's Bag and Sterilizer
2R5251. Berlin Specialist Handbag, 14 inch
*2R5777. Physicians' Friend Vial Case, Etc.

"If this list looks too big for you to tackle, financially or otherwise, you can cut it down approximately one-third by buying only the starred (*) articles as your first purchase; but I urge you to get the complete list as soon as you can.

"Now let us select a few tablets to fill your vial case. While you are not going to dispense at all, you will find it almost absolutely necessary to carry a few drugs with you, especially when you go on long trips in the country.

Hypodermic Tablets (Tubes of 25).

7H613. Apomorphine Hydrochloride 1-10
7H618. Atropine Sulphate 1-150
7H622. Caffein ½
7H620. Codein Phosphate ¼
7H642. Heroin Hydrochloride 1-12
7H664. Morph. Sulph. ¼, Atrop. Sulph. 1-150
7H686. Morphine Sulphate ⅛
7H680. Morphine Sulphate ¼
7H695 Nitroglycerin 1-100
7H702. Pilocarpine Hydrochloride 1-10
7H713. Strychnin Sulphate 1-60
74716. Strychnin Sulphate 1-30

Medicinal Tablets (Bottles of 250).

7R5b. Absorbent Dyspeptic, Improved
7R17. Acetanilid Comp. No. 2
7R70c Anodyne for Infants
7R108d. Anti Vomiting
7R18S. Calomel 1-10, Soda 1 gr. c. c.
7R195. Camphor, Hyoscyamus and Valerian
7R205. Cascara Cathartic, Hinkle c. c.
7R219. Chlorodyne
7R222. Cholera Infantum
7R285. Dover's Powder, 2½ gr.
7R370a. Morphine Sulphate 1-6, white
7R404d. Rhinitis No. 1 c. c.
7R406-2. Santonin ¼, No. 4
7R409. Sedative No. 2 c. c.
7R421. Strychnin Sulphate 1-60
7R430a. Sun Cholera c. c.
7R437. Terpin Hydrate Compound
7R441c. Tonsilitis Compound
7R2642. Drug Envelopes No. 1, for above Tablets

"Now let us look ahead a little bit. People have learned how well equipped you are, how you can handle everything that comes your way, and your practice is growing rapidly. Very well; let your equipment grow also. Here are some more things that you will find useful as soon as you can afford to get them:

3H235. Michel Suture Outfit
2R204. Faught Sphygmomanometer
3R1199. Antidolorin Inhaler
Six Tubes Antidolorin for Above
6R1432. Water Still
3R606-1. Boehm's Salvarsan Outfit
2R3337. Ben's Liquid Soap Dispenser
7H7250. 1 gal. Ethereal Antiseptic
2H668. Peerless Scale, with Measuring Rod

"You will soon find a microscope a necessity so you will send the following order:

2H2. Microscope and Outfit
2H30. Mechanical Stage
2H33. Dark Field Slide
2H81. Micro. Lamp and Dark Field Lamp
2H41. Ether Freezing Attachment.
2RS2. Microtome
6HS36. Specialist Cabinet (for micro. work)

"Perhaps now you will feel that you can afford a Hammond chair, keeping the U. S. army table for operative work. Your library and your instruments will be jostling one another for room in your bookcase, so use the bookcase for books and get an instrument cabinet. You will begin to find many cases which require special lines of treatment so you can profitably invest in a cautery and a combination treatment cabinet.

6R741. Hammond Ball Bearing Chair
6R955. All Steel and Glass Instrument Cabinet
9R1294. Kelly Cautery Outfit
2R2903. Specialist Combination Cabinet

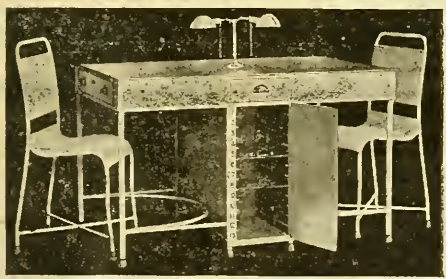
"It will not be long after this until your writing becomes illegible because you are so rushed that you can't take time to write plainly, and you will now be accumulating valuable papers—perhaps bonds and stocks and mortgages!—so you will need just a little more equipment.

1K3132. Betz Visible Typewriter
1K9765. Drop Bed Typewriter Desk
1K7905. Office Safe, Combination Lock, with Inside Door

"You will now need to buy instruments and books only as the special need for them appears. If you develop a liking for a certain line of work, or if many patients present themselves for treatment along some certain line, you will naturally accumulate equipment along that line. For instance, you might turn to electro-therapeutics, or, for that matter to physical therapy in general; or to surgery; or some other special field; but you will then be getting outside the boundaries of the model office I have been trying to provide for you."

"Thank you. I know now exactly how to go about selecting my equipment."

(Submitted by Jesse L. Rains, M. D. Grangeville, Idaho)



6S730.

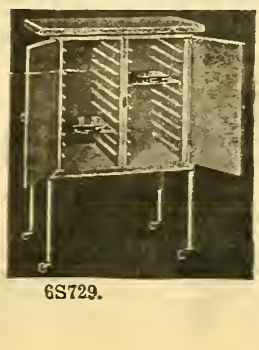
6S730. NURSES' DOUBLE DESK. Illustration shows the desk with two of our 6S1070 chairs, which, however, are not included. The top is 54 inches long, 34 inches wide and 32 inches high, finished throughout with 4 coats of white enamel, hand rubbed and oven baked. Top is furnished in glass, steel or nickeloid, as desired.

With white enameled steel top.....**$75.00**
Nickeloid top **77.00**
¼ inch white glass top..... **82.50**
½ inch white glass top..... **85.00**
Double electric lamp, white enameled with pull chain, sockets and reflectors..... **11.00**

6S3045. NURSES' DESK. Made of hardwood, 36 inches long, 24 wide, 30 high. Finished 4 coats hard white enamel. Has 3 large drawers with nickel plated pulls; mounted on casters.

Only **$12.60**

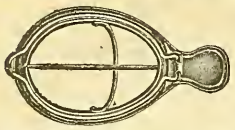
6S3045.



6S729.

6S729. CHART FILE CABINET. All steel, electrically welded, two compartments. Holds 30 chart files. Doors with lock and key. Porcelain, acid proof 18x30 inch top, on ball bearing casters. White enameled, oven baked. A beauty **$29.90**

GENERAL OPERATING INSTRUMENTS



3S2352. Schimmelbusch's Folding Mask. Price..75c Wt. 6 oz.

3S2856. Schimmelbusch, folding....$1.10 Wt. 8 oz.
3S2857. Yankauer's Folding Mask, with spiral spring. Price.....$1.00 Wt. 8 oz.

TONGUE DEPRESSOR

3S1135. Vest Pocket Folding Tongue Depressor. Price, each..35c Wt. 4 oz.

3S1129. Sass Steel Tongue Depressor. Price.....75c Wt. 6 oz.
3S1130. Pynchon, Andrews' hand forged....75c

HEAD BAND

3S3410. Head Band, adjustable Pyralin, only.$1.00 Wt. 12 oz. (This does not include mirror.)

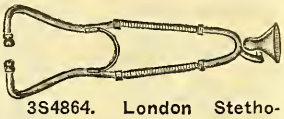
3S1627. Head Band and Magnifying Glass, for removal of hair, examining the eye.....$2.00 Wt. 20 oz.

3S3390. Hodson's $8.00 Head Lamp, complete with plug and tungsten globe. Head band, genuine pyralin, cord has break-off in center so light can be disconnected without removing head lamp from head. Complete.$4.50
Special Voltage Lamps, from 4 to 220 volts..$1.00

3S3386. Rochester Head Lamp, complete.....$3.50

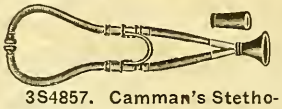
3S4866. Ford's Stethoscope, correct pattern, new model bell. Exrat heavy tubing....$1.90 Wt. 10 oz.

3S4861. Bazzi-Bianchi's Genuine Imported, a very sensitive instrument, in leather carrying case. Price.....$3.50 Wt. 12 oz.

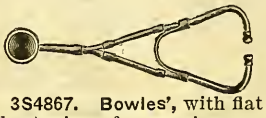


3S4864. London Stethoscope. All metal tubes flexible. Has double sounding bell.....$3.50 Wt. 14 oz.

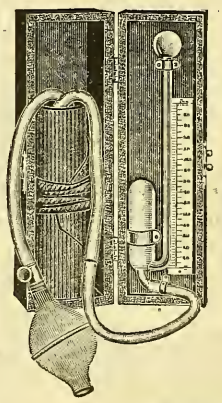
3S4863. Snoften's Reversible Bell Stethoscope, extra heavy tubing. Price....$1.25 Wt. 10 oz.



3S4857. Camman's Stethoscope, two hard rubber bells, mohair tubing. Price.$1.50 Extra bells 35c each. Wt. 12 oz.

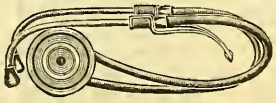


3S4867. Bowles', with flat chest piece for passing under patient in cases of pneumonia, etc. Very sensitive. Price.....$4.00 Wt. 14 oz.



DR. FOSGATE'S SPHYGMOMANOMETER

The smallest, most compact mercurial instrument on the market. A great many physicians prefer mercury in preference to a spring instrument. Is so delicate that when used in conjunction with the stethoscope, the most accurate systolic and diastolic pressures can be taken. When packed measures 9x3x2½ inches. Comes complete with arm band, bulb with release valve in a neat leather covered case.
2S274. Price.$12.00 Wt. 30 oz.



FOSGATE'S VIBROSCOPE

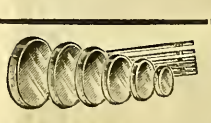
3S4871. The most sensitive instrument on account of the intercostal diaphragm for localizing and testing the heart's action. Price .....$3.25 Wt. 14 oz.

HEAD MIRRORS, FINEST QUALITY

3S3401. 3 inch..$1.40
3S3403. 3½ inch.. 1.50
3S3404. Same, with half-inch hole.....$1.60
3S3405. 4 inch.... 1.75
3S3406. Aluminum Covers for same. Each..$1.50 Wt. 8 oz.

3S3400. Freer's Transilluminator complete. Price.....$2.75 Wt. 14 oz.

3S3413. Silk Head Bands. Price ...40c Wt. 3 oz.



3S3409. Throat Mirrors, 6 sizes, finest quality, nickel plated. Each.....30c
3S3408A. Same, boilable, copper back, with handle. Price, each..35c Wt. 4 oz.
3S3409A. Plain Mirrors, without handle. Price.25c Wt. 4 oz.

3S3388. Bergen's Binocular Loupe, with metal head band, very handy, far more convenient than ordinary lenses. Price.....$5.00

MOUTH GAGS

3S2706. Whitehead's Gag, with adjustable tongue depressor. Price.....$6.00
3S2706A. Same, without tongue depressor.
Price $4.50
3S2707. Child's size, with tongue depressor.
Price $6.00
3S2707A. Same, without tongue depressor.
Price $4.50

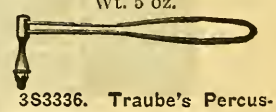
3S2701. Denhart's Mouth Gag, left jaw, with lead jaw. Price.....$1.75 Wt. 8 oz.
3S2700. Same, with anesthetic attachment.
Price.....$3.75 Wt. 8 oz.

3S2713. Hard Rubber Oral Screw. Price, each....25c Wt. 2 oz.

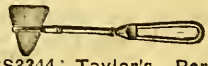
3S3188. Jenning's Mouth Gag, latest pattern, without tongue depressor.
Price.....$5.00 Wt. 12 oz.
3S3189. Same, with tongue depressor. Price.....$6.00

PERCUSSION HAMMERS

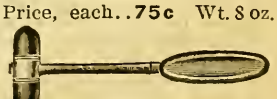
3S3339. Flint's Percussion Hammer. Price.....35c Wt. 5 oz.



3S3336. Traube's Percussion Hammer. Price..50c Wt. 5 oz.



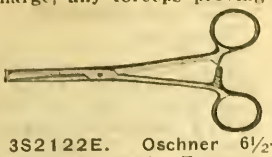
3S3344 Taylor's Percussion Hammer.
Price, each..75c Wt. 8 oz.



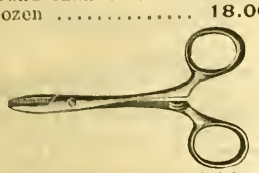
3S3345. Abram's Percussion Hammer. Price.$1.00 Wt. 8 oz.

HAEMOSTATIC FORCEPS

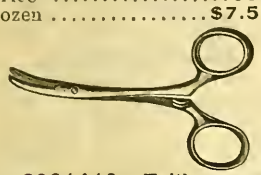
Standard Make, Latest Pattern, at a price no far-sighted physician and surgeon can afford to overlook. (These prices good only until September 1st.) We guarantee these forceps to be the very best on the market and will replace, free of charge, any forceps proving defective in workmanship or material.



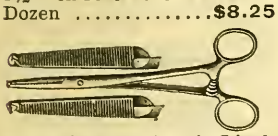
3S2122E. Oschner 6½-inch Haemostatic Forcep, mouse tooth, screw lock, round shanks .....$ 1.75
Dozen 18.00



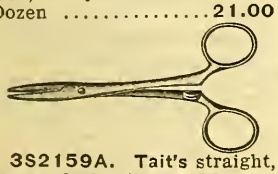
3S2141A. Tait's 4½-inch screw lock, Forcep, straight.
Price 65c
Dozen $7.50



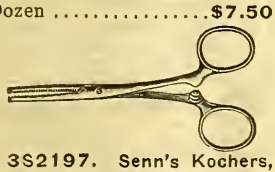
3S2141C. Tait's curved 4½-inch screw lock.....75c
Dozen $8.25



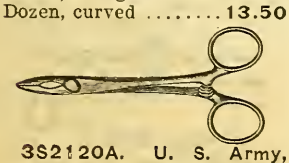
3S2210. Oschner's 7-inch mouse tooth Forcep, screw lock, heavy $1.90
Dozen 21.00



3S2159A. Tait's straight, screw lock Artery Forcep,
Price 65c
Dozen $7.50

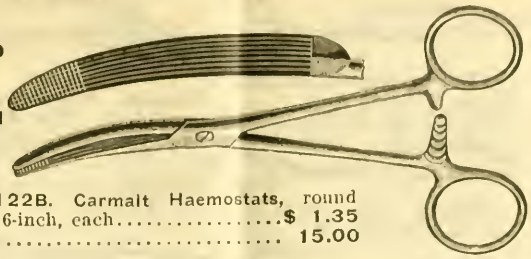


3S2197. Senn's Kochers, latest pattern, straight, screw lock, 5½-inch mouse tooth.
Price $1.10
3S2199. Same, curved.
Price $1.25
Dozen, straight 12.00
Dozen, curved 13.50



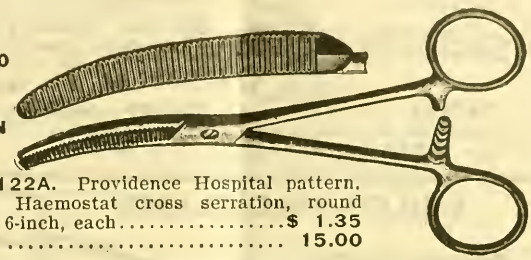
3S2120A. U. S. Army, Collins' lock 60c
3S2121A. Same, screw back 60c

$15.00 A DOZEN



3S2122B. Carmalt Haemostats, round shank, 6-inch, each.....$ 1.35
Dozen 15.00

$15.00 A DOZEN



3S2122A. Providence Hospital pattern, curved Haemostat cross serration, round shank, 6-inch, each.....$ 1.35
Dozen 15.00

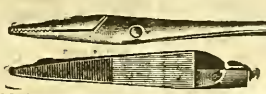
$10.80 A DOZEN

3S2122G. Oschner Straight Haemostatic Forceps, Providence Hospital pattern, round shank, screw lock, 6-inch. Price each .....$ 1.00
Dozen 10.80

KELLY FORCEPS

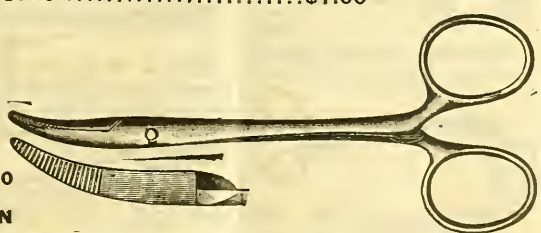
THE MOST POPULAR FORCEP IN AMERICA

$10.80 A DOZEN



3S2217A. Kelly Straight, 5½-inch screw lock. Price $1.00

$11.00 A DOZEN



3S2218. Kelly Curved Forcep, 5½-inch screw lock. Price.....$1.00

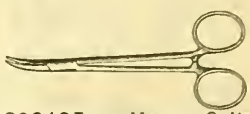
3S2120B. U. S. Army, Collins' lock.....60c
3S2121B. Same, screw back 60c

3S2120C. U. S. Army, Collins' lock 60c
3S2121C Same, screw back 60c

3S2122F. Oschner's latest pattern, curved, mouse tooth, round shanks $1.90
Dozen 21.50

3S2191. Kelly fine point, Tissue Forcep, straight, slide lock 90c
Dozen $10.00

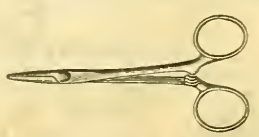
3S2194. Mayo Oschner Goiter Forceps, box lock, straight $1.00
Dozen 11.00



3S2195. Mayo Goiter, curved, 5½-inch box lock.
Price $1.25
Dozen 13.50

3S2188. Murphy's Artery Forcep, screw lock, 6½-inch.
Price $1.00
Dozen 10.80

3S2147. Ferguson's 4½-inch 75c
3S2149. Ferguson's 5½-inch 85c
3S2151. Ferguson's 6½-inch $1.00
3S2153. Ferguson's 7½-inch $1.25



3S2120D. U. S. Army, Collins' lock 75c
3S2121D. Same, screw back 75c

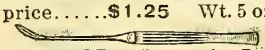
GENERAL OPERATING INSTRUMENTS

ANEURISM NEEDLES

3S3501. Hagedorn's Perineum Set, in case. Price.....**90c** Wt. 3 oz.

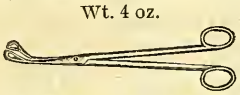
3S3513. Deschamp's 8-inch Cervix and Perineum Needle, sharp, right or left. Each, price..**75c** Wt. 5 oz.

3S3516. Carsten's Perineum Needle. Each, price.....**$1.25** Wt. 5 oz.



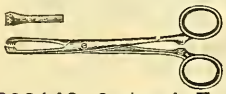
3S3527. Burrow's Perineum Needle, half curve. Price .....**65c** Wt. 6 oz.
3S3527A. Same, straight. Price .....**65c** Wt. 6 oz.

3S3539. Dix's Eye Spud and Needle. Price.....**80c** Wt. 4 oz.

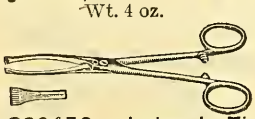


3S2524. Blake's Gallstone Forcep. Price.**$2.00** Wt. 6 oz.

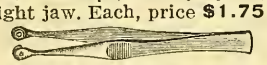
INTESTINAL FORCEPS



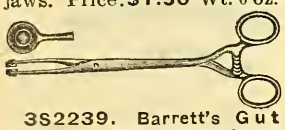
3S2140. Oschner's Tacking Forceps. Price..**$1.50** Wt. 4 oz.



3S2452. Jackson's Tissue Forceps, heavy joint, light jaw. Each, price **$1.75**

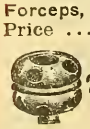


3S2238. Barrett's Plain Gut Forceps, soft rubber jaws. Price.**$1.50** Wt. 6 oz.



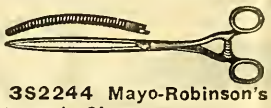
3S2239. Barrett's Gut Forceps, soft rubber jaws. Price .....**$2.75** Wt. 8 oz.

3S2237. Eastman's Gut Forceps, 9-inch rubber jaws. Price .....**$2.00** Wt. 8 oz.

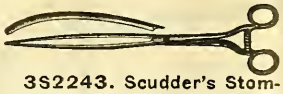


3S938. Murphy's Button, 4 in set. Price..**$3.50**
3S938A. Either size. Price..**$1.25** Wt. 2 oz.

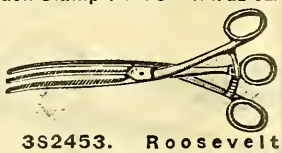
INTESTINAL CLAMPS.



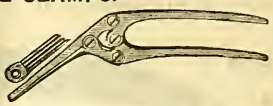
3S2244 Mayo-Robinson's Stomach Clamp..... Price .....**$3.50** Wt. 12 oz.



3S2243. Scudder's Stomach Clamp **$4.00** Wt. 12 oz.



3S2453. Roosevelt Three-Blade Stomach Clamp. Price ...**$13.50** Wt. 16 oz.

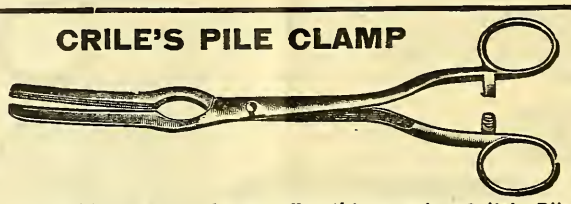


3S2256. Payr's Pylorus Clamp, 8-inch. Price.**$9.00**
3S2256. Same, 11-inch. Price **$11.00**
3S2256. Same, 13¾ inch. Price..**$12.50** Wt. 18 oz.

3S2254. Scudder's Fenestrated Blade, stomach Forceps, straight, 14-inch. Price **$5.00**

3S2255. Same, curved, 14-inch. Price.....**$5.50** Wt. 12 oz.

CRILE'S PILE CLAMP

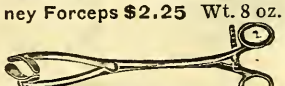


For thirty days only we offer this genuine **Crile's Pile Clamp** (sold also under the name of Kelsey) at a price that we know is far below what competitors could offer you a similar instrument for. This instrument (and every instrument in this bulletin) is guaranteed to be made of the very best material obtainable, and will be replaced should it prove defective on account of workmanship or material.

3S915. Crile's Pile Clamp. Price.....**$3.00** Wt. 10 oz.

KIDNEY FORCEPS

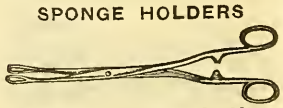
3S2414. Martin's Kidney Forceps **$2.25** Wt. 8 oz.



3S2409. Collins' Uterus Forceps..**$3.00** Wt. 10 oz.

3S2428. Somer's Forceps for lifting uterus through abdominal incision. Price ....**$4.75** Wt. 12 oz.

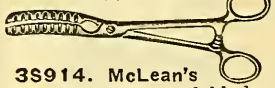
SPONGE HOLDERS



3S2551. Wilson's Uterine Packing and Sponge Holding. Price.....**$1.50**
3S2550. Same, curved. Price **$1.50**
3S2552. Same, knee bent, long. Price....**$1.75** Wt. 8 oz.

PILE CLAMPS

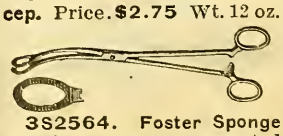
3S928. Cook's Fenestrated Grooved Jaw Pile Clamp. Price.....**$3.50** Wt. 12 oz.



3S914. McLean's Clamp, with grooved blades for stitching. Price..**$3.25**

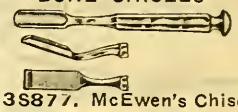
3S921. Kelsey Grooved Jaw **$3.25**

3S2413. Billroth's Forcep. Price.**$2.75** Wt. 12 oz.



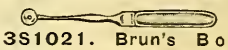
3S2564. Foster Sponge Holding Forceps, serrated jaw, round shanks, 10-inch, straight...**$1.75** Wt. 6 oz.
3S2565. Same, curved. Price **$1.85**

BONE CHISELS

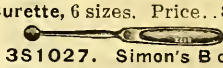


3S877. McEwen's Chisel, 3 sizes, 8-inch. Price.**$1.25**
3S879. McEwen's Gouge, 3 sizes, 8-inch. Price.**$1.35**
3S881. Same Gouge, curved, 3 sizes, 8-inch. Price **90c**

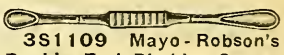
3S887. Brun's Chisel, 3 sizes, 7½-inch. Price.**$1.00**
3S889. Brun's Gouge, curved, 3 sizes, 7½-inch. Price **$1.10**



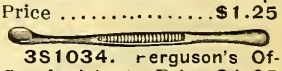
3S1021. Brun's Bone Curette, 6 sizes. Price..**80c**
3S1023. Luer's Bone Curette, 6 sizes. Price..**80c**



3S1027. Simon's Bone Curette, 6 sizes. Price..**80c**
3S1029. Volkmann's Bone Curette, 6 sizes. Price **80c**

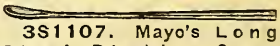


3S1109 Mayo-Robson's Double End Bladder Scoop. Price **$1.25**

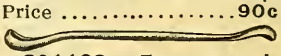


3S1034. Ferguson's Office Assistant. Price.**$1.25**

GALLSTONE SCOOPS

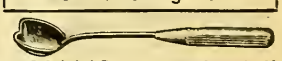


3S1107. Mayo's Long Steel Bladder Scoop. Price **90c**



3S1103. Furguson's Double End Gallstone Scoop. Price **$1.25**
Complete Set of 6 Sizes, Price ..**$3.00** Wt. each 4 oz.

This shows only a small percentage of the instruments we catalogue. Write us for anything you want, we have it or can get it.



3S1113. Moore's Gallstone Scoop, for 30 days only .....**$1.50** Wt. 8 oz.

BONE DRILLS

3S1409. Poe's Bone Drill, with a set of six drills. Price.....**$2.00** Wt. 10 oz.

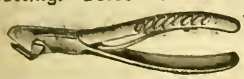
3S1400. U. S. Standard Bone Drill; has hollow compartment in handle to hold bits. Price .....**$4.50** Wt. 16 oz.

BONE AND CRANIAL INSTRUMENT-RETRACTORS

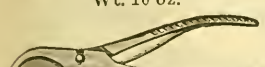
BONE FORCEPS

3S1919. Liston's Bone Cutting, straight, 8 in. Price $2.00
3S1921. Liston's Bone Cutting, angular, 8 in. Price $2.25
3S1923. Same, curved on the flat, 8 in. Price $2.25

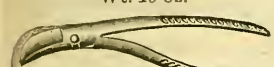
3S1929. Saterlee's Bone Cutting. Price.....$2.00



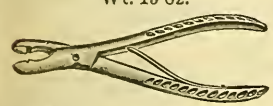
3S1927. Velpeau's Angular Bit Bone Cutting; most powerful made. Price $2.75 Wt. 10 oz.



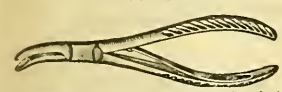
3S4163. Rib Shear, plain, very heavy. Price...$3.00 Wt. 15 oz.



3S4164. New Style Rib Shear, curved. Price $3.50 Wt. 15 oz.



3S1933. Darby's Bone Ronguer Shear. Price $4.25 Wt. 10 oz.



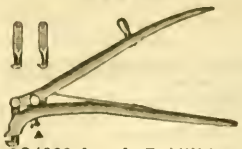
3S2028. Luer's Mastoid Ronguer. Price.....$2.50 Wt. 10 oz.

3S1942. Forwood's Bone Holding. Price.....$2.75 Wt. 10 oz.

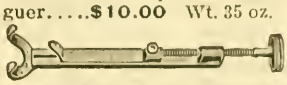
3S1943. Van Buren's Sequestrum. Price.....$1.75

3S4167. Schumacker Shears. Price.....$10.00 Wt. 15 oz.

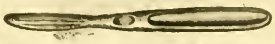
RONGUER AND DISSECTOR



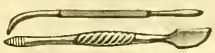
3S1939-A. A DeVilbiss, 8 and 10 in. heavy skull ronguer.....$10.00 Wt. 35 oz.



3S1400-F. Bone Plate Holder, 2 sizes. Price each.....$4.50 Wt. 12 oz.

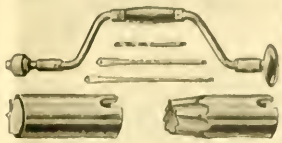


3S1261. Kocher's Elevator Steel. Price 60c Wt. 4 oz.

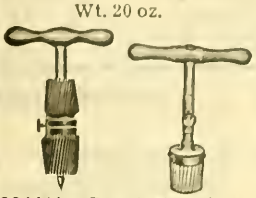


3S1257. Esmarch's Elevator and Raspatory. Price 75c Wt. 6 oz.

DRILLS



3S1415. De Vilbiss Trephining Outfit, complete as illustrated. Price..$12.00 Wt. 20 oz.

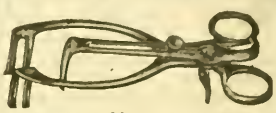


3S1411. Douglas' Reversible Double Trephine, 2 sizes with each, ½ and 1-inch. Can be changed almost instantly. Best imported cutters. Price.....$3.25
3S1412. Galt's ½, ¾ and 1-inch. Price.....$2.25

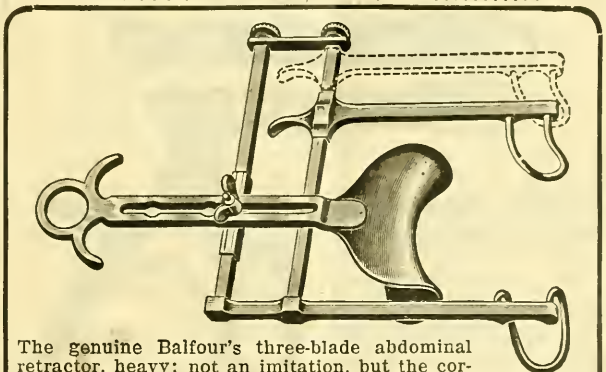
RETRACTORS

3S3933. Betz's Flexible Retractor, 1¼, 1½ and 2 inches wide. Price..$1.00

3S3931. Mayo's Appendectomy Retractor. Price, each.....$4.75 Wt. 12 oz.

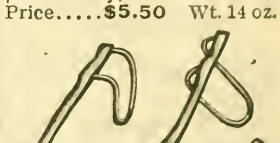


3S3930. Mayo-Collin's Appendectomy, three blades. Price.....$5.50 Wt. 14 oz.

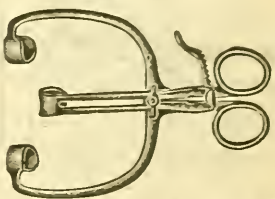


The genuine Balfour's three-blade abdominal retractor, heavy; not an imitation, but the correct model, at a price lower than competitors get for an inferior model. Price, for 30 days only.....$7.00

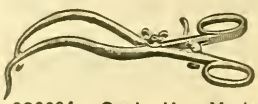
No orders accepted after September 1st at this price.



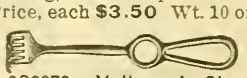
3S3932. Mayo's Latest Pattern Abdominal Retractor. Price $3.75 Wt. 14 oz.



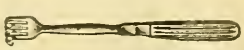
3S3927. Simpson-Collin's Self-Retaining Abdominal Retractor. Price.....$8.00 Wt. 36 oz.
3S3928. Same, two-blade. Price.....$6.00 Wt. 24 oz.



3S3934. Gelpi's Model Perineal Retractor, self-retaining, with sharp tenacula. Price, each $3.50 Wt. 10 oz.

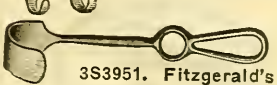


3S3973. Volkman's Sharp or Dull Retractors. Price each .....$1.35 Wt. 8 oz.

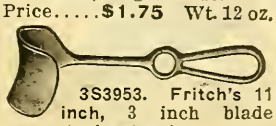


3S3975. Volkman's Fancy Hollow Handle. Price each.....$1.25 Wt. 8 oz.

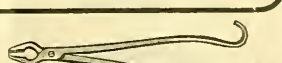
3S3959. Doan's Retractor, small. Price .....90c Wt. 4 oz.
3S3959. Same, large. Price ...$1.15 Wt. 6 oz.



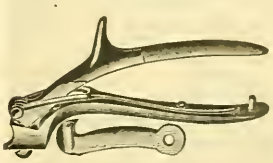
3S3951. Fitzgerald's Abdominal 9½ Inch Retractor, single blade. Price.....$1.75 Wt. 12 oz.



3S3953. Fritch's 11 inch, 3 inch blade steel retractor. Price.....$3.00 Wt. 14 oz.



3S1400-D. Bone Holding Forcep. Price.....$4.50 Wt. 16 oz.

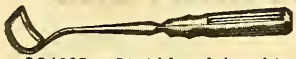


3S1938. Krause Heavy Ronguer, with extra blade. Price $7.25

3S1941. Ferguson's Improved Bone Holding. Price $3.00

EYE, EAR, NOSE AND THROAT INSTRUMENTS

ADDENOID CURETTE



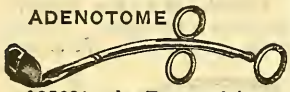
3S1035. Stubb's Adenoid Curette, three sizes. Our price, either size....$1.75 Wt. 8 oz.

3S1035-A. Same, child's size.....$1.75 Wt. 8 oz.

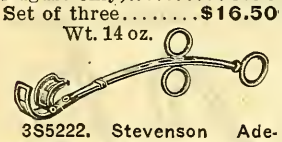
3S1037. Gottstein's Adenoid Curette, three sizes. Each.....$1.75 Wt. 6 oz.

3S1038. Delstanche's with claws for holding part removed. Our price...$3.50 Wt. 8 oz.

ADENOTOME



3S5221. La-Forces Adenotome, three sizes, cuts upward, has receptacle for holding part removed. Our price (for the month of August only).....$6.00 Set of three.....$16.50 Wt. 14 oz.

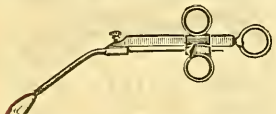


3S5222. Stevenson Adenotome, three sizes, with box lid on hinges and small teeth to hold part removed. Our price, extra blade included....$8.50 Wt. 14 oz.

TONSIL AND NASAL SNARE

3S5227. Eve's Tonsil Snare, simple but very efficient. Price $3.75 Wt. 7 oz.

3S4353. Bosworth's Nasal Snare, with two tips. Our price.....$1.25 Wt. 5 oz.



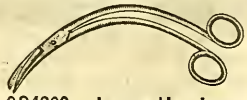
3S4356. Krause's Nasal Snare. Our price...$2.25 Wt. 6 oz.

3S5214. Martin's Nasal Snare. Our price....$1.50 Wt. 8 oz.

3S5215. Same, heavy, for tonsil work.....$2.50

NASAL SCISSORS

3S4303. Seiler's Nasal Cutting, double curved. Price.....$1.75 Wt. 6 oz.



3S4293. Ingal's Long Curve Nasal Scissors. Price.....$1.75 Wt. 7 oz.

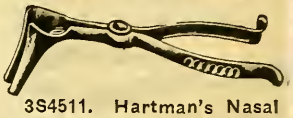
TONSIL DISSECTORS

3S3077. Harris Tonsil Knife with blunt dissector. Price.....$1.75 Wt. 4 oz.

3S3060R. Ballenger Swivel Knives, any size. Each $3.00

3S2474. Hurd's Tonsil Book $1.50

SPECULUMS



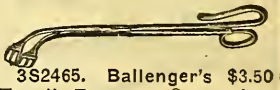
3S4511. Hartman's Nasal Specula.....75c Wt. 4 oz.

3S2040. Genuine Imported Ballenger-Foster $15.00 Septum Cutting Punch....$7.50 Wt. 12 oz.

TONSIL FORCEPS

3S2466. Tydings $3.00 Tonsil Forcep. Our price, each.....$1.75 Wt. 10 oz.

3S2477. Andrew's $3.50 Tonsil Forcep. Our price, each.....$1.75 Wt. 10 oz.

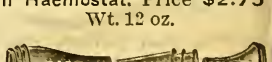


3S2465. Ballenger's $3.50 Tonsil Forcep. Our price, each.....$1.75 Wt. 10 oz.

2S2463. White's Tonsil Haemostat Forceps..$2.50

3S2764. Schutz Tonsil Forcep, a very popular instrument, although practically new on the market. Price.....$3.00 Wt. 10 oz.

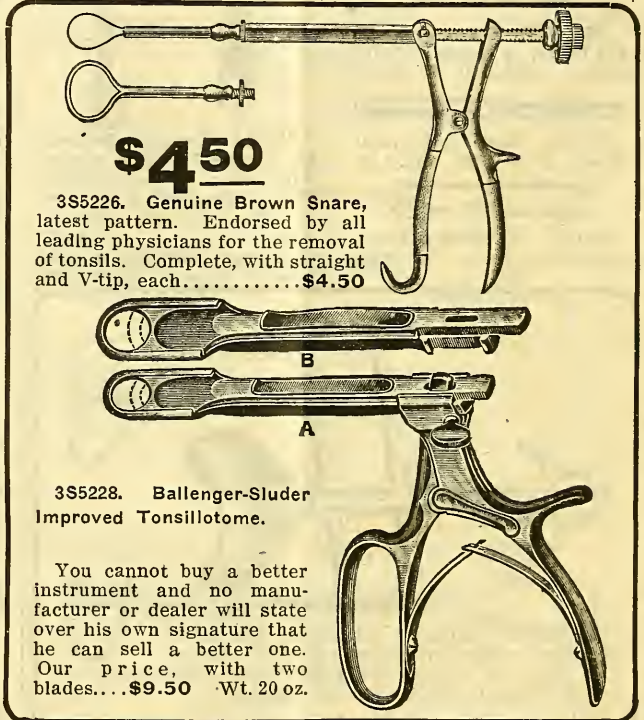
3S2480. Boettcher's Tonsil Haemostat. Price $2.75 Wt. 12 oz.



3S4431. Gruber's Aluminum, round end, set of 3. Price 50c

3S4437. Wilde's Aluminum, set of 3. Price...50c

3S4441. Toynbee's Nickel Plated, set of 3. Price 65c Wt. 3 oz.



$4.50

3S5226. Genuine Brown Snare, latest pattern. Endorsed by all leading physicians for the removal of tonsils. Complete, with straight and V-tip, each.....$4.50

B

A

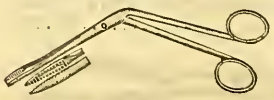
3S5228. Ballenger-Sluder Improved Tonsillotome.

You cannot buy a better instrument and no manufacturer or dealer will state over his own signature that he can sell a better one. Our price, with two blades....$9.50 Wt. 20 oz.

EAR FORCEPS

3S1983. Wild's Ear Forcep, serrated. Price...75c Wt. 2 oz.

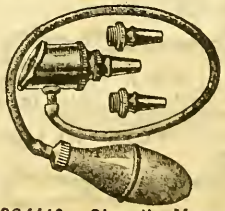
3S1984. Wild's Ear Forseps, mouse tooth. Price.85c Wt. 3 oz.



3S1973 Hartman's Long Nasal. Price.....$1.35

3S1977. Same, ear. Price, each.....$1.25 Wt. 4 oz.

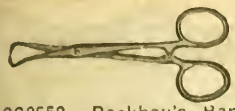
3S5211. Popular Tydings Tonsil Snare, complete with straight, vedder tip, and one dozen silvered piano snare wire. Price.....$4.75 Wt. 24 oz.



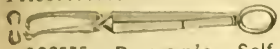
3S4446. Siegel's Magnifying Lens Octoscope. All metal, three tips. Price, each .....$2.50 Wt. 8 oz.

GENERAL OPERATING INSTRUMENTS

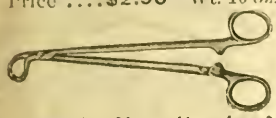
TOWEL FORCEPS, RECTAL SPECULUMS, DILATORS AND NEEDLE HOLDERS



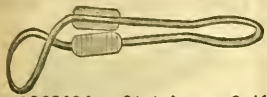
3S2558. Backhau's Bandage Holding Forceps, curved. Price.....$1.00 Wt. 3 oz.
3S2557. Same, straight. Price.....90c Wt. 3 oz.



3S2555. Doyen's Self-closing $4.00 Towel Forcep. Price ....$2.50 Wt. 10 oz.

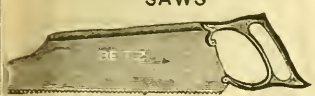


3S2556. Moynihan's 8-Inch Towel Forceps, at a price far below what they are being wholesaled for. Price.....$2.75 Wt. 7 oz.

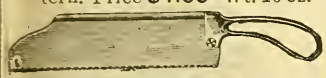


3S2562A. Steinkraus Self-closing Towel Forceps, curved. Price.....35c
Dozen $3.50
3S2563A. Same, straight. Price, each.....30c
Dozen.....$3.00 Wt. 3 oz.

SAWS



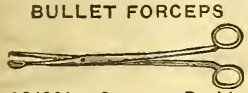
3S4053. Parker's $8.00 Heavy Saw, imported pattern. Price $4.00 Wt. 16 oz.



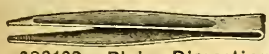
3S4051. Charrier's Amputating Saw, wide blade. Price.....$2.50 Wt. 10 oz.

3S4058. Saterlee's Amputating Saw, lifting back. Price.....$2.00 Wt. 12 oz.
3S4059. Same, small. Price.....$1.75 Wt. 10 oz.

BULLET FORCEPS



3S1961. Gross Bullet Forcep. Price.....$1.75 Wt. 5 oz.



3S2132. Plain Dissecting Forcep, antiseptic. Price, each.....25c Wt. 2 oz.

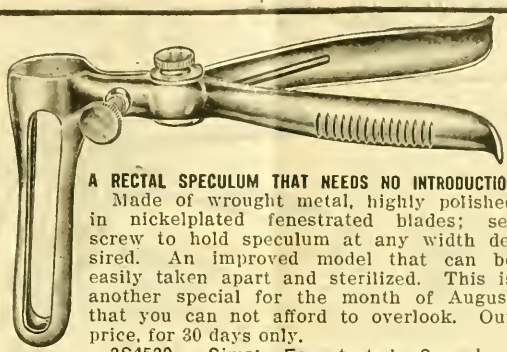
3S2216. Jarvis Splinter Forceps. Price.....60c Wt. 3 oz.

3S1140. Return Flow, metal, 3 sizes, for hot or cold water. Each.....$1.25

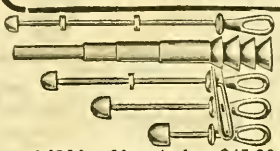
3S1148. Hand-made Crystal Glass Rectal Dilator, seamless, with irrigating attachment. Set of three.50c Wt. 10 oz.

3S1141. Mantz Aluminum Dilators, self-retaining, finely polished, antiseptic, recommended by all physicians. Price, set....$2.50 Wt. 10 oz.

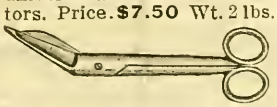
3S4541. Brinkerhoff's Rectal Speculums, recognized the world over for being the most popular speculum for hemorroidal work. Four sizes, large, medium and small. Price, each.....$2.50 Wt. 10 oz.
3S4542. Same, extra large. Price, each...$3.00 Wt. 12 oz.



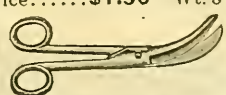
A RECTAL SPECULUM THAT NEEDS NO INTRODUCTION
Made of wrought metal, highly polished in nickelplated fenestrated blades; set screw to hold speculum at any width desired. An improved model that can be easily taken apart and sterilized. This is another special for the month of August that you can not afford to overlook. Our price, for 30 days only.
3S4539. Sims' Fenestrated Speculum. Price.....$1.00 Wt. 10 oz.



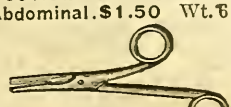
3S4564. Murphy's $15.00 Set of Rectal Speculums, 2½, 5⅛ and 13-inch. With universal handle and obdurators. Price.$7.50 Wt. 2 lbs.



3S4157. Esmarch's Plaster Bandage Shears, 7 inch. Price.....$1.50 Wt. 8 oz.

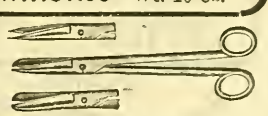


3S4154. Collin's Heavy Abdominal.$1.50 Wt. 6 oz.



3S4158. Mayo's New Pattern Scissor.$1.25 Wt. 6 oz.

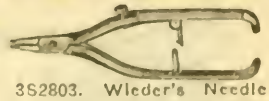
3S4162. German Bandage Shears....$2.25 Wt. 10 oz.



3S4128. Straight, 4½ inch, screw lock.....60c
3S4130. Straight, 5½ inch, screw lock.....65c
3S4132. Straight, 6½ inch, screw lock.....75c
3S4134. Curved, 4½ inch, screw lock.....75c
3S4138. Curved, 5½ inch, screw lock.....85c
3S4140. Curved, 6½ inch, screw lock.....$1.00

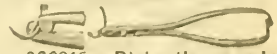
3S4161. Hoffman's Plaster Paris Shears. Price, each.....$3.50 Wt. 14 oz.

3S4155. Mayo's Dissecting 5½ inch.....$1.10
3S4155-A. Same, 6½ inch. Price $1.25
3S4155-B. Curved, 6½ inch (same).....$1.40
3S4155-C. Curved, 8 inch (same) $1.50
3S4155-D. Same, straight, 8 inch.....$1.45 Wt. 6 oz.



3S2803. Wieder's Needle Holder, competitors get $5.00. Our price.....$2.50 Wt. 12 oz.

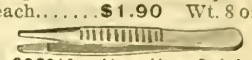
3S2800. Kocher's Needle Holder. Our price...$1.75 Wt. 10 oz.



3S2815. Richert's needs no introduction, will hold any needle without breaking, patented. Price..$3.50 Wt. 10 oz.

3S2822. Genuine Murphy Needle Holder. Retails regularly for $4.00. Our price, each.....$2.25 Wt. 10 oz.

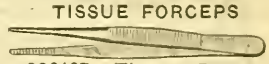
3S2818. Haeger's Needle Holder, improved pattern, round shanks, with large ring handles. Our price, each.....$1.90 Wt. 8 oz.



3S2816. Needle Seizing Forcep. Price.....60c Wt. 4 oz.

3S2824. Mathieu's Needle Holder, pocket case size. Price.....$1.50 Wt. 4 oz.

TISSUE FORCEPS



3S2127. Tissue Forcep, 4½ inch. Price.....35c
3S2128. Same, 5½ inch. Price.....45c Wt. 3 oz.
3S2129. Same, 10 inch. Price.....75c Wt. 6 oz.
3S2131. Plain Dissecting. Price.....35c Wt. 2 oz.

3S2130. Tissue Forcep Mouse Tube, 4½ inch. Price.....50c Wt. 2 oz.
3S2130-A. Same, 5½ inch. Price.....70c Wt. 4 oz.
3S2130-B. Same, 8 inch. Price.....75c Wt. 6 oz.

3S2134. Oschner's Tissue, 9 teeth, 4½ inch. Price each.....75c Wt. 3 oz.
3S2134. Same, 6 inch. Price.....80c Wt. 4 oz.
3S2135. Same, 8 inch. Price.....80c Wt. 6 oz.

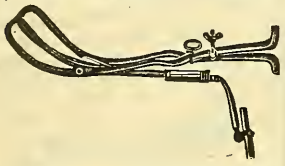
Obstetric, Gynecologic, Uterine Dressing and Hysterectomy Instruments

OBSTETRIC FORCEPS

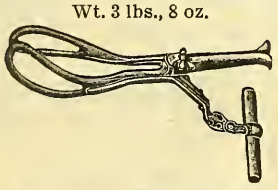
3S2303. Simpson's Long. Price.....$3.50 Wt. 2 lbs.
3S2304. Same, short. Price..$3.25 Wt. 1 lb., 8 oz.
3S2309. Elliott's 15-Inch, hand forged. Price..$3.75 Wt. 2 lbs.
3S2310. Same, 10-inch. Price..$4.50 Wt. 1 lb., 8 oz.

3S2311. Hodge's 16-inch. Price.....$3.25 Wt. 2 lbs.

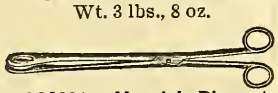
3S2305. De Lee's Long. Price.....$4.50 Wt. 2 lbs.



3S2307. Tarnier's $15 Axis Traction, latest model. Price .....$10.25 Wt. 3 lbs., 8 oz.



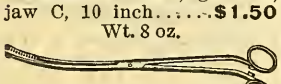
3S2308. Webster - Milne - Murray's Latest $15 Pattern. Price .....$12.00 Wt. 3 lbs., 8 oz.



3S2381. Munde's Placenta Forceps. Price.....$1.75 Wt. 10 oz.

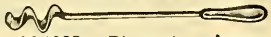
3S2383. Placenta Forceps, combined with hook and curette. Price..$2.25 Wt. 12 oz.

3S2537. Bozeman's Uterine, A jaw, 10 inch..$1.50
3S2538. Same, smooth jaw B, 10 inch.....$1.50
3S2539. Same, grooved, jaw C, 10 inch.....$1.50 Wt. 8 oz.

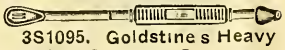


3S2542. Thomas' Uterine, 11 inch. Price.....$1.75 Wt. 8 oz.

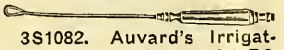
CURETTES



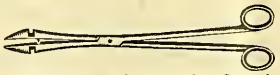
3S1085. Placenta Auger, 3 sizes.....90c Wt. 10 oz.



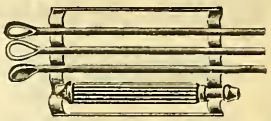
3S1095. Goldstine's Heavy Uterine Curette. Longer than ordinary and of large diameter..$1.50 Wt. 10 oz.



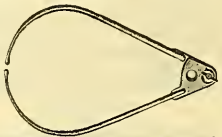
3S1082. Auvard's Irrigating, sharp. Price....$1.50
3S1082-A. Auvard's Irrigating, dull. Price...$1.50 Wt. 6 oz.



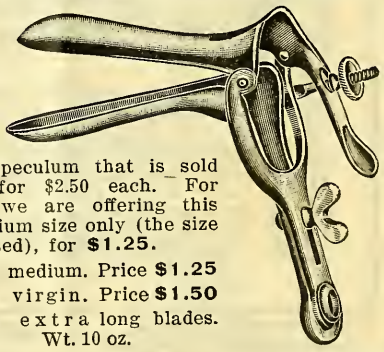
3S2344. Simpson's Craniotomy Perforator.....$1.75
3S2342. Smellies' Craniotomy Perforator.....$1.75 Wt. 14 oz.



3S1078. Berlin Irrigating Curettes, sharp, dull and spoon, with handle for Tubing. Price.....$1.50 Wt. 6 oz.
3S1079. Set of three rinsing curettes, sharp, blunt and scoop, fitting one handle. Price.....$1.75



3S2346. Collyer's Pelvimeter, both scales. Price, each.....$1.50 Wt. 14 oz.

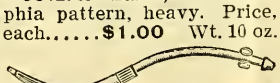


Not the old pattern, made of heavy brass castings, but the latest model, light made of wrought metal, easily taken apart for sterilization. A speculum that is sold the world over for $2.50 each. For thirty days only we are offering this speculum, the medium size only (the size most commonly used), for **$1.25.**

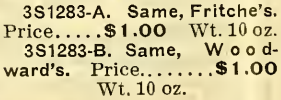
3S4647. Grave's medium. Price $1.25
3S4648. Grave's virgin. Price $1.50
3S4649. Grave's extra long blades. Price..$1.75 Wt. 10 oz.

DOUCHES

3S1273. Leonard's Dilating Uterine Douche..$1.00
3S1275. Same, Philadelphia pattern, heavy. Price, each.....$1.00 Wt. 10 oz.



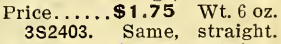
3S1283. Bozeman's. Price each.....$1.25 Wt. 10 oz.
3S1283-A. Same, Fritche's. Price.....$1.00 Wt. 10 oz.
3S1283-B. Same, Woodward's. Price.....$1.00 Wt. 10 oz.



3S2247. Pean's, straight, 8 inch. Price.....$1.75
3S2248. Same, curved, 8 inch. Price.....$2.00
3S2249. Same, straight, 10 inch. Price.....$2.00
3S2250. Same, curved, 10 inch. Price.....$2.25
3S2251. Jewett's 10 inch, heavy curved. Price.$2.25
3S2252. Same, straight. Price .....$2.00 Wt. 6 oz.

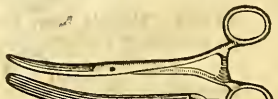
FORCEPS

3S2401. Vulsellum, curved on edge, 9 inch. Price.....$1.75 Wt. 6 oz.
3S2403. Same, straight. Price.....$1.75 Wt. 6 oz.



3S1110. Mayo's Varicose Vein Stripper, 15 in.$1.00
3S1112. Appendectomy Tucker. Each.....35c Wt. 8 oz.

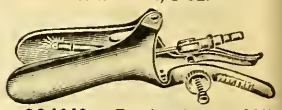
3S2273. Wright's 8 inch, straight, flexible jaw. Price each $1.75
3S2274. Same, curved. Price.....$2.00 Wt. 6 oz.



3S2280. Mayo's 8 inch, the great forceps. Price, each.....$1.75 Wt. 6 oz.

SPECULUM

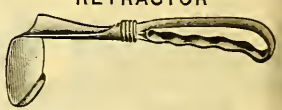
3S4653. Henrotin's, weighted. Price.....$2.50 Wt. 2 lbs., 8 oz.
3S4654. Auvard's, weighted. Price.....$2.75 Wt. 3 lbs., 8 oz.



3S4640. Rochester - Miller Vaginal Specula, virgin, medium, large, with lamp. Price.....$2.50 Wt. 14 oz.
3S4641. Miller's Virgin, medium or large, without light carrier. Price..$1.75
3S4642 Miller's Extra Large. Price.....$4.00 Wt. 10 oz.

3S4637. Taylor's, the greatest seller in America. Price.....85c Wt. 10 oz.

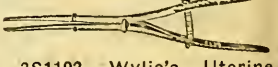
RETRACTOR



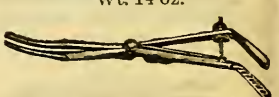
3S3937. Kelsey's 9 inch.
2 inch blade.....$1.50
2½ inch blade..... 1.75
3½ inch blade..... 2.25

3S3966. Eastman's Vaginal Retractor.
Small size $1.10
Medium size 1.25
Large size ..... 1.40 Wt. 8 oz.

UTERINE DILATOR



3S1193. Wylie's Uterine Dilator, heavy. Price $2.00
3S1194. Same, with gauge. Price.....$2.50 Wt. 14 oz.

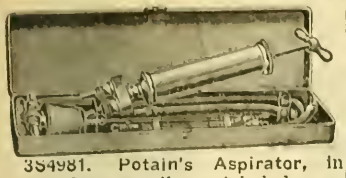


3S1189. Goodell's $9.00 Universal Uterine Dilator, with side bars.....$3.50 Wt. 20 oz.

SYRINGES, KNIVES, SALVARSAN OUTFIT

HYPODERMIC SYRINGES

In metal case with two needles. Send ours back if you can find a better one at three times our price.

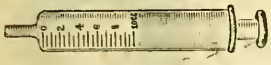


3S4981. Potain's Aspirator, in heavy German silver nickeled case, complete with needles, trocars, etc., regularly sold at $15.00. Our price.....$7.50 Wt. 3 lbs.

3S4983. Same, in canvas roll. Price.....$6.00 Wt. 2 lbs.

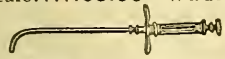
Improved Record Syringe. Has all the features of the imported syringe. Piston guaranteed, perfectly ground, graduations accurate. Endorsed by leading American physicians for the administration of Salvarsan. Comes complete with adapter to use either Recording or Universal thread needles.

3S5000. 2 cc.....$1.75
3S5000. 5 cc..... 2.50
3S5000. 10 cc..... 3.50
3S5000. 20 cc..... 5.00
3S5000. 30 cc..... 6.50



Original Luer All Glass Syringes with full round plunger, graduations guaranteed absolutely accurate. This is not a cheap domestic syringe that competitors sell under the same name, but a syringe that will give the best of satisfaction. The prices below include needles and are good only until Sept. 1st.

3S5001. 25 mm., single scale.....85c Wt. 6 oz.
3S5001. 2 cc., double scale.....90c Wt. 6 oz.
3S5001. 5 cc., single scale.....$1.50 Wt. 8 oz.
3S5001. 10 cc., single scale.....$2.50 Wt. 10 oz.
3S5001. 20 cc., double scale.....$3.50 Wt. 12 oz.
3S5001. 30 cc., single scale.....$5.00 Wt. 15 oz.



3S5049. Keyes-Ultzman's Deep Urethral Syringe.. Price.....$1.50
3S5050. Same, with silver tube. Price.....$2.25
3S5051. Same, with hard rubber tube. Price..$1.25 Wt. 6 oz.

3S5046. Braun's Uterine Syringe; metal and glass barrel....$1.10 Wt. 4 oz.

3S4984. Glass Barrel 10 cc. Asperating Syringe, in heavy nickeled case, complete with needles, trocars, etc. A syringe that is regularly sold for $3.75. Our price only $2.25

3S4985. Same, all metal syringe. Price .....$2.50 Wt. 12 oz.

3S4999. Leur glass syringe, ground glass piston with tablet, vials, needles, German silver case..$2.00 Wt. 6 oz.

3S4999A. Leur syringe in metal case with two needles but without vials. Price..$1.50 Wt. 6 oz.

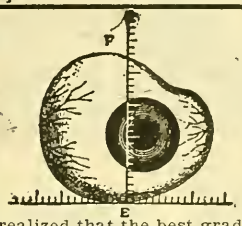
3S4993. Aluminum case, six-vial, metal syringe, two needles $1.15

3S4994. Same, glass barrel syringe, price..$1.15 Wt. 8 oz.

Universal Hypodermic Needles, any size.
Dozen $0.50
Gross 4.50

COVERED BY OUR $10,000 GUARANTEE

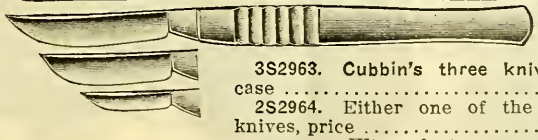
ARTIFICIAL EYES



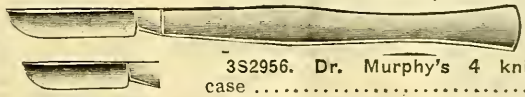
The American doctor has never realized that the best grade and makes of artificial eyes have always been imported from Germany. We have just received a large shipment that was sent us long before the European war broke out. We pride ourselves with having the most complete line of both Shell and Reform Eyes in America, and are not taking advantage of the present high prices, but are offering you eyes that can never be duplicated until after the European war at a price that would be considered exceptionally low under normal conditions.

To insure perfect fit we would suggest that you send us a sample or measurements, together with $10.00 cash, and we will send you one dozen reform eyes or two dozen shell eyes, which must be returned (after picking one to fit patient) in fifteen days, charges paid, and we will refund amount paid us, less $3.00 for reform or $2.00 for each shell eye not returned.

2S3241. **Reformed Eyes.** Price.....$3.00
2S3240 **Shell Eyes.** Price..... 2.00

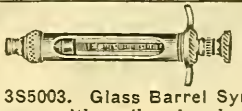


3S2963. Cubbin's three knives, in case $2.50
2S2964. Either one of the above knives, price $1.00
Wt. each, 4 oz.



3S2956. Dr. Murphy's 4 knives, in case $2.75
3S2957. Either one of the above knives $1.00
Wt. each, 4 oz.

3S5004. Torpedo Syringe, all metal with 2 gold plated needles.....90c Wt. 4 oz. Gold plated needles, dozen, Price 75c



3S5003. Glass Barrel Syringe, with oil chamber. Regular or P. D. needle. Price 40c
3S5003A. Same, K. G. make, price.50c Wt. 4 oz.

BETZ SPECIAL POCKET INSTRUMENT CASE.

3S150. Seal grain leather case, leather lined, containing 6 hand-forged 4½-inch knives, 1 male and female catheter and caustic holder combined, 1 pair 4½ inch Surgical operating scissors, 1 ear hook and curette, 1 4½-inch artery forcep, 1 4½-inch dissecting forcep, 1 plain director and tongue tie, and 1 set of pocket case probes. nickel plated.

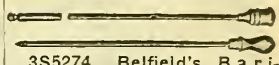
Others ask $8.50, our price....$4.75 Wt. 12 oz.

SALVARSAN OUTFITS

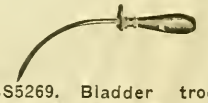
3S606-1. Boehm's Intraveneous Salvarsan outfit, nickel plated telescoping stand, 240 cc. tubes, cut-off and window between 3-way stop cock and needle.$8.25

3S606-16. Thumb needle with connector. This needle can be used with any apparatus. Price.....60c
Or 3 for $1.75
Wt. 2 oz.

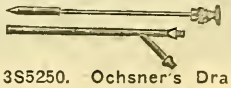
TROCARS



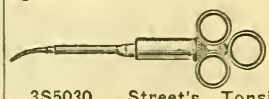
3S5274. Belfield's Baricocele trocar, with side outlet. Use fountain syringe and a solution will pass in and out of the serotum. Price.....$1.80 Wt. 5 oz.
Wt. 3 oz.



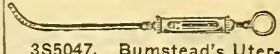
3S5269. Bladder trocar, curved..$1.50 Wt. 10 oz.



3S5250. Ochsner's Drainage trocar.$1.00 Wt. 3 oz.



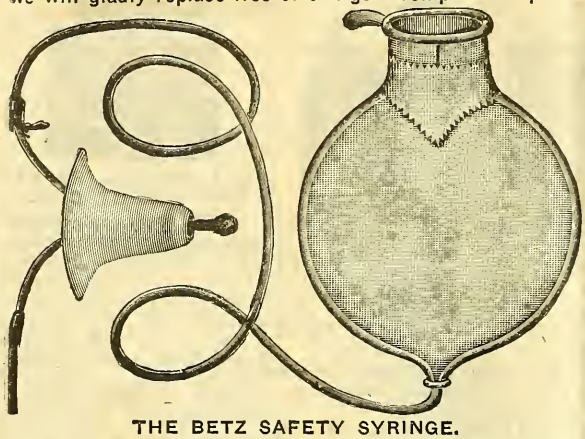
3S5030. Street's Tonsil Syringe..$1.00 Wt. 6 oz.



3S5047. Bumstead's Uterine and Urethral Syringe. Price.....$1.10 Wt. 5 oz.

GUARANTEED QUALITY FIRST RUBBER GOODS

You cannot buy rubber goods at any price that will give you more service. Fully guaranteed. You are the sole judge, and if you decide you have not secured the right amount of service from any rubber goods you buy of us, return to us and we will gladly replace free of charge. Compare our prices with those of other houses.

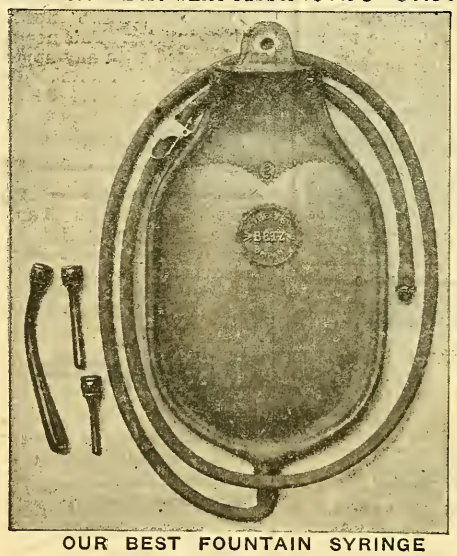


THE BETZ SAFETY SYRINGE.

Return at our expense, and we will refund your money should you not find this syringe superior to any other on the market. By simply compressing the overflow tube with the fingers the medicated solution can be held in the vagina for any length of time and will distend the folds fully and thus reach the entire organ. By releasing the pressure the fluid flows into any receptacle provided for that purpose. Can be used in any position at any time without soiling the clothing. Nothing equal for treatment of leucorrhea, or other troubles where it is necessary that the medicated liquid be brought in contact with the part to be treated and held there for any length of time.

Sold by others for $3.50 and $5.00.

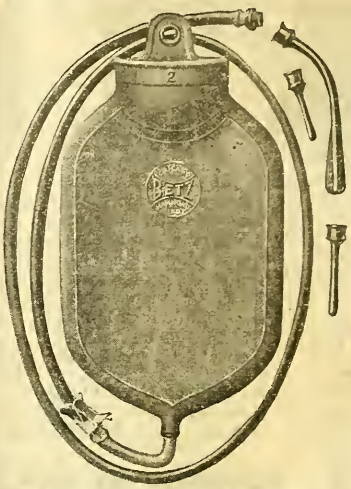
	2 Qt.	3 Qt.	4 Qt.
2S4977. Best white rubber	$1.75	$1.90	$2.00



OUR BEST FOUNTAIN SYRINGE

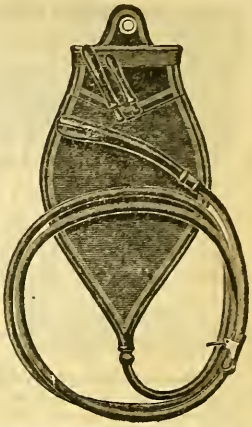
Guaranteed for two years.

2S4975. Syringe made of best quality rubber, extra heavy tubing. You can't buy a better syringe anywhere at our price. This syringe would retail for $3.00. Our price, 2 qt. size **$2.00**



2S4979. Red Rubber Fountain Syringe, moulded one-piece bag, made of best quality rubber, 3 pipes, vaginal, rectal and infant's.

2 qt., each **$1.65**
3 qt., each **1.85**



FOUNTAIN SYRINGE

Fine quality, with bag, tubing, cut-off, vaginal, rectal and child's pipes.

2S4969. Red Rubber.

2 qt. size **$1.00**
3 qt. size **1.15**

Wt. 24 oz.

2S7598. Throat Ice Bag. Will adjust itself to any neck.

Each **$1.75**

Wt. 14 oz.

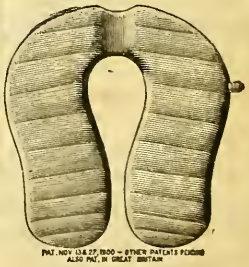
SPECIAL HOT WATER BOTTLE

2S7806. Red rubber full capacity.

	2 qt.	3 qt.
Each	$1.00	$1.10
Doz.	9.75	11.00
Wt.	18 oz.	22 oz.

2S7599. Extra Heavy Red Rubber Mottled Hot Water Bottle. You cannot buy a better one for double our price.

2 qt., each.. **$ 1.50**
Dozen ... **15.00**
3 qt., each.. **1.75**
Dozen ... **18.00**



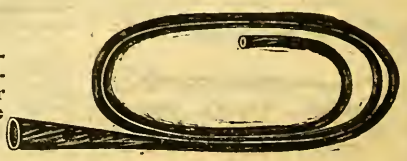
2S7837. Horseshoe Invalid Ring. Recommended by specialists as the only satisfactory cushion for patients with rectal and spinal trouble. Each.. **$5.00**

Wt. 18 oz.

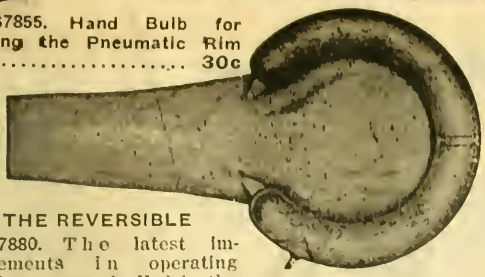
2S7804. Face, or Infant's Hot Water Bottle, round, red rubber, 1 pint, each ..... **60c** Wt. 10 oz.

2S7789. Valentine's Irrigator Tube. For irrigator **65c**

Wt. 4 oz.



2S7855. Hand Bulb for Filling the Pneumatic Rim 30c



THE REVERSIBLE

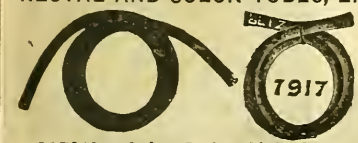
2S7880. The latest improvements in operating cushions are embodied in the manufacture of this pad. It is reversible. Can be used on either side. Has rimmed edge on both sides which makes it perfect for drainage or irrigating uses.
Each .....$7.50 Wt. 3 lbs.

Remember these are best quality. Others ask nearly double our price.

2S7853. Plain, 24x44 inches.....$3.50
Weight 3 lbs.
2S7854. Plain 20x44 inches....$2.75 Wt. 2 lbs., 12 oz.
2S7864. Perineal cushion, 14x34 in..2.50 Wt. 1 lb., 14 oz.
2S7858. With sleeve 24x44 inches...$4.00 Wt. 3 lbs.
2S7861. With sleeve, 20x44 inches $3.50 Wt. 2 lbs., 14 oz.

3S801. Catheter, soft rubber, velvet eye, to 22 Fr. each .....15c Dozen .....$1.35 Wt. 2 oz.
Over 22 French, each.....20c Doz.....$1.90

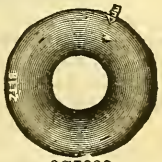
RECTAL AND COLON TUBES, END OR SIDE OPENING



2S7917. Rectal Tubes, 20 inch..30c Wt. 6 oz.
2S7918. Same, children's 12 inch..15c
Same 20 inch...30c Wt. 4 oz.
2S7919. Colon Tube, 30 inch.....40c Wt. 8 oz.
2S7921. Same, 60 inch.....80c Wt. 10 oz.

2S7833. Invalid Air Cushions for patients to lie on in bed or to be used on a chair.

Red	10 in.	12 in.	14 in.	16 in.	18 in.
Ea.	$1.25	$1.45	$1.70	$1.90	$2.10
Doz.	12.00	15.00	16.00	18.50	22.00
Wt.	14 oz.	16 oz.	18 oz.	20 oz.	22oz.

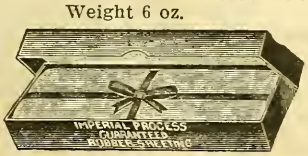


2S7833

POLITZER BAGS

Tube and Nasal Tip with each. With and without valves.
2S7890. Politzer Bag, 6 oz., with tube and tip. No valve.....$0.85
2S7891. Same, 8 oz..... 0.90
2S7892. Same, 6 oz., with valve, Each $0.90
2S7894. Same, 8 oz., with valve. Each $0.95
2S7895. Same, 10 oz., valve. Each $1.00
Weight 6 oz.

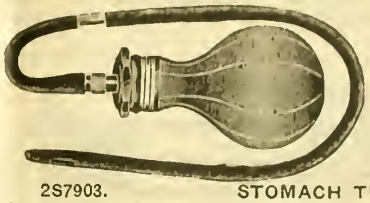
2S7736. Imperial Rubber Sheeting, white, 1 yd.x45 in., in aseptic box....75c Wt. 20 oz.



2S7737. Special Imperial Rubber Sheeting, Acid and urine proof; 1 yd. x 45 in., in sealed roll....70c Wt. 19 oz.

SURGEONS' OPERATING GLOVES—guaranteed quality, medium weight—at special reduced prices. These are not seconds, but first grade and we guarantee them equal to any rubber glove made.

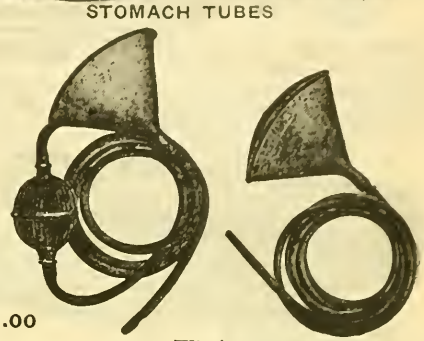
2S7955. Medium weight, per pair.....$0.50
Per dozen pairs.....$4.50 Wt. per pair, 4 oz.



Ewald's Stomach Aspirator
2S7916. For obtaining contents for diagnostic work.....
..... $3.50
Extra tube for same $1.00
Wt. 22 oz.

STOMACH TUBES

2S7903. Stomach Tube, with bulb and funnel .$1.25
2S7907. Same with funnel, no bulb $1.00
Wt. 10 oz.
2S7910. Ewald's Stomach Tube $1.00
Wt. 5 oz.
2S7909. Rosenheim, with funnel.$1.00

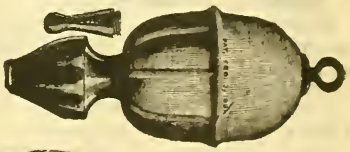


Wt. 4 oz.

Our Price, $1.25

2S4950. The Ladies' Favorite. 12 inches long. Thousands have been imported and sold in this country at $3.50. Our price.....$1.25 Dozen.....$12.00

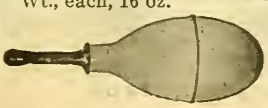
2S45. Ladies' Perfection Vaginal Syringes, worth $2.00. This sale.....$1.25



2S4959. The Ideal Vaginal Injection and Suction Syringe. No syringe in the world has met with the sale this syringe has. Patients can use it in any position without soiling the clothing.
Each .....75c Dozen ....$6.50 Wt., each, 12 oz.

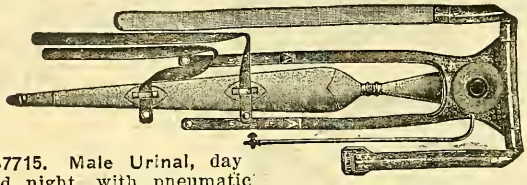
2S4960. Vaginal, Suction and Injection Syringe, Do you see the double hold? No soiling of the clothing. Reg. price, $1.50. Only 85c
Dozen $9.00
Wt., each, 16 oz.

85c



3S5038A. Infant's Rectal. Price .....20c Wt. 4 oz.

2S7706. Safety Inner Tube Male Urinal. For day and night use, fitted with special valves and inner tubes so as to prevent the return flow of urine. For male use for both day and night.....$2.75 Wt. 14 oz.
Urinals are not returnable after they have seen service.

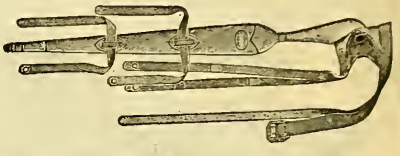


2S7715. Male Urinal, day and night, with pneumatic inflatable cushion and perforated top. The inflated cushion prevents irritation. Each.....$4.25 Wt. 16 oz.

Urinals are not returnable after they have seen service

2S7716. Female Safety Inner Tube Urinal with pneumatic cushion rim which fits the body perfectly, satisfactory for both day and night use. Complete with leg and under straps..... $4.00
Weight 16 oz.

2S7717. Girl's Urinal $3.00
Wt. 10 oz.



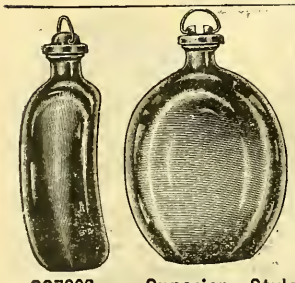
2S7714. Male Urinal for day and night use with body band. $3.25
Wt. 14 oz.

All our urinals are thoroughly tested before leaving the factory.

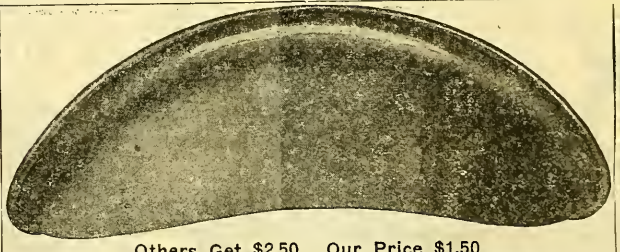
Genuine French Water-Proof Sheeting

5000 Yards Offered at a Special Reduced Price. Sanitary and durable. Will outwear rubber sheeting. Does not crack or peel, or get hard. Guaranteed absolutely water-proof. Hospitals should use this material for bed sheets as it is cheaper and better than rubber sheeting. It is 45 inches wide, extra strong. While the stock lasts we will sell this sheeting at prices far below what others ask.

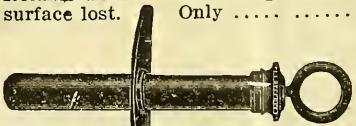
2S8626. French Water-Proof Sheeting, per yard.....75c
Or save money by buying a bolt (approximately 50 yds,) at, per yard 60c



2S7803. Superior Style Aluminum Hot Water Bottle. Keeps hot all night. Holds 1½ quarts water. Can be filled easily as it has flat bottom to stand on. It has convex and concave sides. Just the thing for sick-room or hospital. It can never break as there are no seams. Worth $4.50, our price, ...Each $2.75



Others Get $2.50. Our Price $1.50
FULL SIZE ALUMINUM HOT WATER BOTTLE
2S7801. Will last forever. 50% more heat than from a rubber bottle. Requires less than half as much water. Retains heat twice as long. Fits the body. No heating surface lost. Only ....$1.50 Wt. 24 oz.



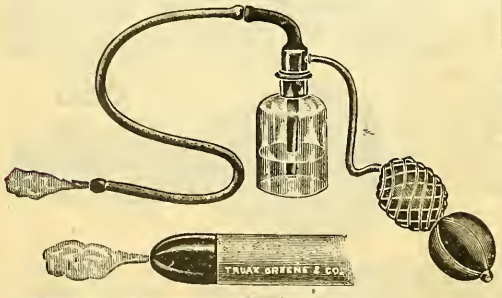
2S21455. Vaginal Syringe, with shield, 1 ounce. Each...75c
Wt. 8 oz.
Dozen $7.00

2S7800. Porcelain Bed Warmer. Holds 2½ quarts, flat bottom.
..... Each $ .75
..... Dozen 5.50
Wt. packed 6 lbs. each.
Flannel covers for same, each 15c

SPECIAL MANIKIN OFFER

This is one of the best Manikins that you can buy today. There are no more to be had when this stock is sold. If you had one of these you would not sell it for $10.00 if you were unable to get another. You will never buy a book that you will derive as much benefit from if you pay five times what we ask.

2S943. Sectional Manikins. Consisting of complete Manikins of the Head, Oral Cavity with the Pharynx and Larnyx, Eye, Foot, Hand, Liver, Kidney, Stomach, Nose, Ear, Lungs and Heart. Our special price.....$2.00

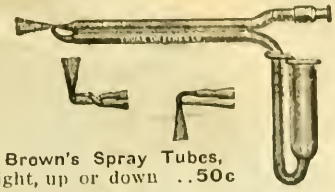


2S10337. Einhorn's Gastric Spray.
Regular price.....$4.00. Special price.....$3.00

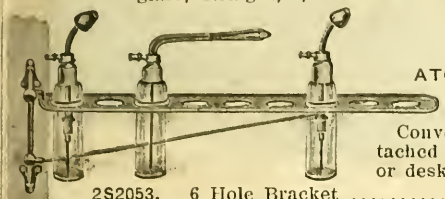
2S4405. Lubraseptic. (Bi-Sterilized). The Ideal Lubricant and Surgical Dressing. It is aseptic, odorless, and non-irritating. An ideal dressing for burns.
Tube 20c
Wt. 3 oz.

NON-ELASTIC BANDAGES.
The elastic stocking of Europe. Thousands sold here. Will stretch 18 feet. Used by Parks, Ashby, Von Bergman, Lorenz and thousands of others. Wt. of each bandage, 2 oz.
2S7994. 2 in. 2½ in. 3 in. 4 in.
Each . $0.40 $0.45 $0.50 $0.60

2S2101. Compressed Air Set, first quality, platinum lined tip .....$2.25 Wt. 2 lbs.
2S2102. Single Spray Bottles, each .....$1.00 Wt. 4 oz.



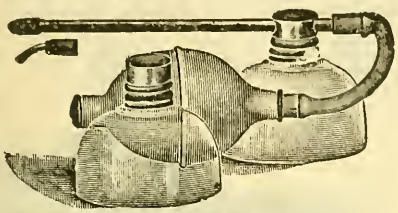
2S9575. Brown's Spray Tubes, glass, straight, up or down ..50c



ATOMIZER OR SPRAY BRACKET
Convenient, attached to wall, table or desk by hinge.

2S2053. 6 Hole Bracket $1.75
2S2054. 9 Hole Bracket 2.35
2S2055. 12 Hole Bracket 3.25

2S2170. Oil or water, 2 bottles, 2 tips, 1 adjustable swivel.
Set $0.75
Doz. sets 9.00



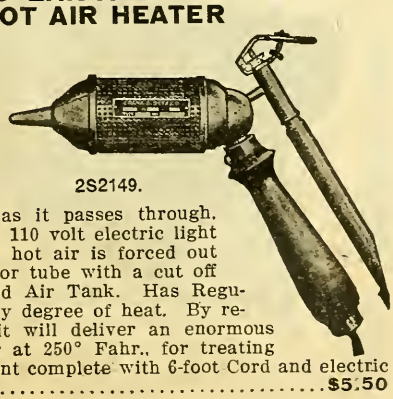
THE SUPREME

2S2089. Compressed Air Outfit. Absolute satisfaction guaranteed. Over 2,000 of these outfits now in use. Complete with set of Sprays, Powder Blower, and Nebulizer, Cut Off, Air Gauge and Pump. Has large tank, 10x30 inches. The most practical outfit ever made for office use where the pumping must be done by hand. Do not compare this outfit with the cheaper outfits as supplied by some houses.
Our Price only....$27.50

2S2090. Same outfit except the tank is 7x28 in.; finished aluminum bronze, nickel plated top..$18.00
Double acting pump instead of "T" pump with either outfit $5.00 extra.

ELECTRIC EAR AND NOSE ETC. HOT AIR HEATER

Always give Voltage of Current when ordering.

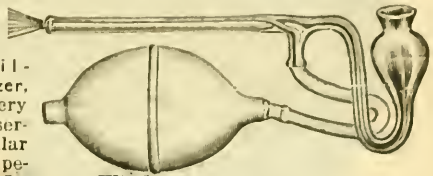


2S2149.

Heats the air as it passes through. Operates from any 110 volt electric light lamp socket. The hot air is forced out with a hand bulb or tube with a cut off from a Compressed Air Tank. Has Regulator for giving any degree of heat. By removing the cap, it will deliver an enormous amount of hot air at 250° Fahr., for treating large surfaces. Sent complete with 6-foot Cord and electric light plug. Only.....$5.50

2S2649. The Boston Atomizer, for spraying expensive solutions. Regular price $1.25. Special price.....75c. Wt. 8 oz.

2S2650. Camenthol Atomizer. Special price ....50c Wt. 18 oz.



2S2646. Williams' Atomizer, will spray every drop from reservoir. Regular price $1.50. Special price...75c Wt. 10 oz.

Special Spray Outfit 2-45. Send us $1.25 for special Midget Spray Outfit of 12 sprays with bottles and hand pressure bulb. It is worth $3.00.
Wt. 16 oz.

HAND NEBULIZER.
2S130. All metal. Regularly sold for $1.50. While present stock lasts, each 75c

2S21172. Medicine Glass with flaring base, moulded letters and lines, each....8c Wt. 8 oz.

3S1330. Aluminum Eye Douche, best made.
Each 7c
Dozen 60c
Wt. each 2 oz.

3S1397. Graduate Glass, tall form, 30 gr. .25c

GLASS DRAINAGE TUBES

3S489. Tait's Bulbous
Each .....35c Wt. 4 oz.

3S491. Thomas' Straight, open end.....20c Wt. 4 oz.
3S493. Thomas' Curved, open end.....25c Wt. 4 oz.

3S494. Thomas' Curved, perforated end.
Each .....25c Wt. 4 oz.

3S495. Thomas' Straight, perforated end.....25c
Wt. 4 oz.

2S1112. Cylinder Jars for gauze and dressings.

Size in.	Each	Doz.	Wt. lbs.
3½x2⅜	$0.20	$ 1.75	¾
4⅛x3	.25	2.50	1
5 x3¾	.30	2.75	1½
6⅛x4¾	.35	3.25	2
7½x5¾	.45	4.75	3
7 x8¾	1.00	10.00	6

PHYSICIANS' BAGS AND MEDICINE CASES

IMPROVED ENGLISH EMERGENCY—Best Black Seal Grain

Compare these prices with those of other houses.

You will find only the best grained cowhide leathers used in our bags—do not compare them with the cheaper ones made of split leather (second grade) as sold by some of our competitors.

Leather lined; brass trimmings; hand-sewed; loops; straps; inside pockets; flaps in cover over loops; pocket, etc. 8½x9½ inches high.

2S5165. Size 15 in..**$10.50** | **2S5167.** Size 17 in..**$11.00**
2S5165. Size 15 in.. **10.75** | **2S5168.** Size 18 in.. **12.00**
Actual wt. 6 lbs., 4 oz.

OBSTETRIC BAG.

Club style. Easy to carry. Made of the finest black long walrus grain leather. Leather covered steel frame and gun metal trimmings, leather lined. No seams. Width 5½ inches. Height 9 inches to top of frame.

2S5220. Size 15 inch **$5.75**
2S5221. Size 16 inch **6.00**
2S5222. Size 17 inch **6.25**
Weight 3 lbs., 8 oz.

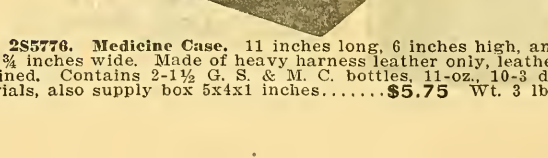
WISCONSIN—Heavy Harness Leather

2S5740. Hand Sewed, Leather Lined, 11x14½x5 inches. 12-5 dr., 30-3 dr., 4-1½ oz., G. S. & M. C. bottles. Supply box 4½x4½x1½ inches..... **$8.70** Wt. 5 lbs.

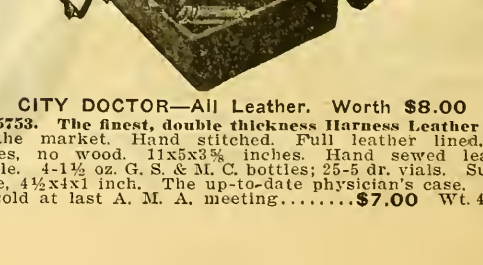
UNIVERSITY OF MICHIGAN

Made of 2 pieces Black Seal Grain Bag Leather; leather lined; brass trimmed; no seams on edges, 6x8 in. high.

2S5204. Size 15 inch **$4.75**
2S5205. Size 16 inch **5.00**
2S5206. Size 17 inch **5.25**



2S5776. Medicine Case. 11 inches long, 6 inches high, and 2¾ inches wide. Made of heavy harness leather only, leather lined. Contains 2-1½ G. S. & M. C. bottles, 11-oz., 10-3 dr. vials, also supply box 5x4x1 inches..... **$5.75** Wt. 3 lbs.



CITY DOCTOR—All Leather. Worth $8.00

2S5753. The finest, double thickness Harness Leather Case on the market. Hand stitched. Full leather lined. No hinges, no wood. 11x5x3⅝ inches. Hand sewed leather handle. 4-1½ oz. G. S. & M. C. bottles; 25-5 dr. vials. Supply space, 4½x4x1 inch. The up-to-date physician's case. Over 100 sold at last A. M. A. meeting..... **$7.00** Wt. 4 lbs.

The best combination case made.

$11.25

LONDON COMBINATION BAG AND CASE

2S5750. Finest Black Smooth Sole Leather. Leather lined, gun metal trimmed, 17x5x5½. Contains 6-1½ oz. G. S. & M. C. bottles, 17-5 dr., and 20-3 dram vials. Bottles occupy one side and the other side for forceps, instrument roll, etc. **$11.25**

$3.50

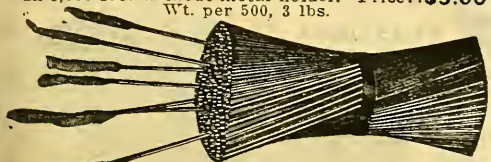
When We Purchased the Truax, Green & Co.'s Stock

we bought several medicine cases, which are not good enough to put in regular stock, and if you are looking for a medicine case and do not want to buy an expensive one, you will find the following case a big saving as well as a good bargain.

2STG65. Black Seal Grain Leather. Contains 2-2 oz. G. S. M. C., 2-3 oz. C. S. bottles, 24-1 oz. vials, 24-3 dr. vials and supply space. Our special price, each.... **$3.50** Wt. 4 lbs.

Metal Holder for Tongue Depressors. Each **15c**

3S1139. Wood Tongue Depressor, 500 with Metal Holder **60c**
In 5,000 lots without metal holder. Price.. **$5.00**
Wt. per 500, 3 lbs.



Applicators, hardwood, nose, ear, throat, etc.
3S5. Per 1000 in bundles 12 in. long.... **60c** Wt. 26 oz.
3S6. Per 1000 in bundles 6 in. long.... **50c** Wt. 20 oz.

BOSTON EMERGENCY

Seal grain, made of best seal grained bag leather, 10 inches high.

2S5280.	Canvas lined; 14x5½x10 inches.....	$5.00
2S5281.	Same, leather lined	5.80
2S5282.	Same, 16 inch, leather lined.....	6.85
2S5283.	Tan leather, 14 inch.....	6.25
2S5284.	Tan leather, 16 inch.....	7.25

Wt. 2 lbs., 8 oz.

FUMIGATOR

A mechanical improvement over any disinfecting device, and of highest efficiency. Pry off the friction lid and light the wick in the fuel pan, setting it on a brick or asbestos pad which is furnished. Absolutely free from all fire danger.

2S8506. Contains over one ounce formaldehyde. For 1,000 cubic feet of space.
Price **$0.35**
Dozen **3.00**

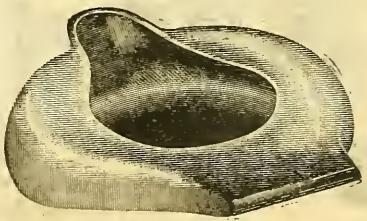
2S8507. Contains over 1½ ounces formaldehyde. For 1,500 cubic feet of space. Price..... **50c** Dozen..... **$4.50**

Johnson & Johnson Zinc Oxide Adhesive Plasters

2S4440. "ZO" Adhesive, on strong cotton cloth. 5 yard roll, 12 inches wide, only **$1.00**

	On Spools	Each	Dozen
2S4540.	½ in. wide, 5 yds. long.....	$0.25	$3.00
2S4541.	1 in. wide, 5 yds. long.....	.30	3.60
2S4542.	1½ in. wide, 5 yds. long.....	.35	4.20
2S4543.	2 in. wide, 5 yds. long.....	.40	4.80
2S4544.	2½ in. wide, 5 yds. long.....	.50	6.00
2S4545.	3 in. wide, 5 yds. long.....	.60	7.20
2S4546.	4 in. wide, 5 yds. long.....	.75	9.00
2S4550.	½ in. wide, 10 yds. long.....	.40	4.80
2S4551.	1 in. wide, 10 yds. long.....	.50	6.00
2S4552.	1½ in. wide, 10 yds. long.....	.60	7.20
2S4553.	2 in. wide, 10 yds. long.....	.70	8.40
2S4554.	2½ in. wide, 10 yds. long.....	.90	10.80
2S4555.	3 in. wide, 10 yds. long.....	1.10	13.20
2S4556.	4 in. wide, 10 yds. long.....	1.35	16.20

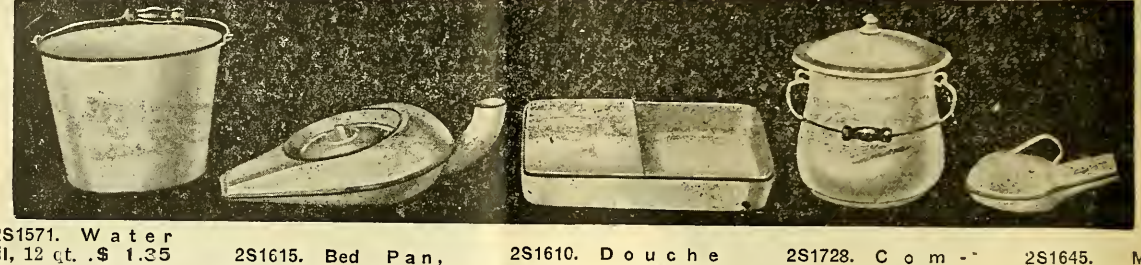
THE COMMON SENSE PORCELAIN BED AND DOUCHE PAN



2S1641. Slipper Pattern. The most sanitary and germ proof Bed Pan in the world, easily emptied and cleaned. Recommended by physicians and nurses. Made of heavy white porcelain.
Each **$2.25**
Wt. 7 lbs.

Porcelain White Enamel Ware—Superior Quality—Reinforced Quadruple Coated

You cannot buy a better grade of white enamel ware. These prices are only made possible by the placing of large contracts before the present advance in enamel ware. The market has advanced 20% but we still supply these at old prices. If in need of enamel ware, order now. Remember that these prices are the best you can get considering quality and finish.



2S1571. Water Pail, 12 qt. .$ 1.35
Dozen 13.50

2S1572. Same, aluminum ...$2.25
Wt. 3 lbs.

2S1615. Bed Pan, white .....$ 1.25
Wt. 4 lbs.
Dozen $12.00

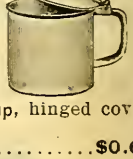
2S1610. Douche Pan, white $1.00
Wt. 3½ lbs.
Dozen 10.50

2S1728. Combinet Commode. Do not compare this with the cheap Combinet as sold by some. 12 inches high .....$ 1.50
Dozen 15.50
Wt. 4 lbs., 8 oz.

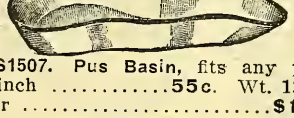
2S1645. Male Urinal, white.
Each $0.85
Dozen 9.00
Wt. 1 lb.

2S1519. Office Tray.

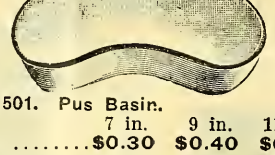
	Each	Wt.	6 for
8½x6¼x1½	35c	12 oz.	$1.75
9½x7½x1½	60c	16 oz.	3.00
7 x4½x 1	25c	8 oz.	1.10



2S1674. Sputum Cup, hinged cover, 3½x3½ in.
Each $0.65
Dozen 7.00
Wt. 10 oz.

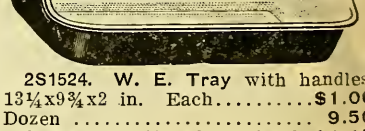


2S1507. Pus Basin, fits any part. 12 inch .....55c. Wt. 12 oz.
3 for $1.50

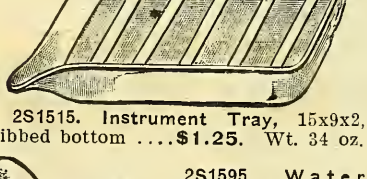


2S1501. Pus Basin.

	7 in.	9 in.	11 in.
Each	$0.30	$0.40	$0.55
Dozen	3.00	4.00	6.00
Weight	4 oz.	6 oz.	8 oz.



2S1524. W. E. Tray with handles, 13¼x9¾x2 in. Each.....$1.00
Dozen 9.50
Same, 14⅛x10¼x2 in. Each.$1.15
Dozen $11.00

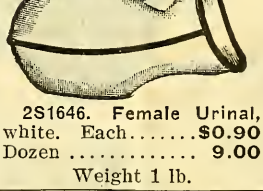


2S1515. Instrument Tray, 15x9x2, ribbed bottom ....$1.25. Wt. 34 oz.

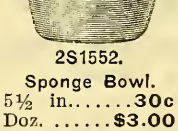
2S1677. Split Cup, spring lid $0.50
Dozen 4.75
Wt. 10 oz.

2S1595. Water Pitcher.

	Each	Doz.
2 qt...	$0.75	$7.50
Weight 20 oz.		
3 qt...	1.00	10.00
Weight 24 oz.		
4 qt...	1.10	11.00
Weight 32 oz.		
6 qt...	1.50	15.00
Weight 40 oz.		



2S1646. Female Urinal, white. Each.....$0.90
Dozen 9.00
Weight 1 lb.



2S1552. Sponge Bowl.
5½ in.....30c
Doz. $3.00
Wt. 8 oz.

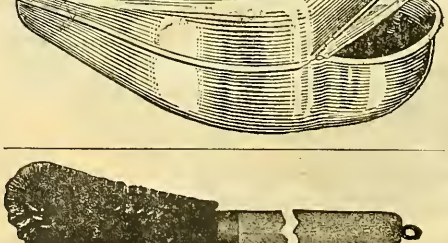
2S1568. Seamless Dressing or Spice Jars.

1 qt...	$0.60
Wt. 18 oz.	
1½ qt..	.75
Wt. 20 oz.	
2 qt....	.85
Wt. 22 oz.	
3 qt....	1.00
Wt. 26 oz.	
4 qt....	1.20
Wt. 32 oz.	
5 qt....	1.50

SOLID COMFORT BED AND DOUCHE PANS

Two of the greatest bargains ever offered. For 30 days only we will accept orders for these Bed and Douche Pans at prices never offered before.

Made of Non-Rusting and Non-Tarnishing Metal.



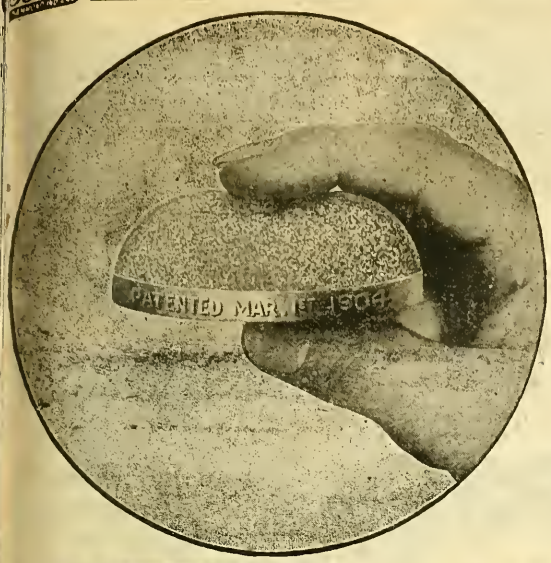
2S1620. The only Bed Pan acknowledged by the medical profession to be absolutely perfect in every respect.

Sanitary in Construction. Comfortable in Shape

A convenience for the nurse. A comfort for the patient and a safeguard against contagious diseases.
Each ..... $1.15 Dozen $11.50

2S8250. Bed Pan Brush, black bristles..40c

2S1622. Seamless Douche Pan, made of non-rusting metal. Size 13x15½x3 inches deep. Each $0.75
Dozen 6.00



Trusses Fitted with Genuine Patented Sponge Rubber Pads

They are the most comfortable trusses ever sold. The pad yields at every point and adapts itself to the rupture and covers instead of spreading the rupture.

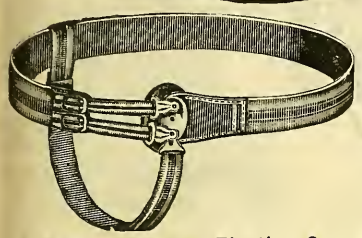
These pads cannot slip, but stay where they are put. They can be washed in soap and water and kept clean, odorless and asceptic.

The pads have a cellular indented surface which permits circulation of the blood through the compressed parts and thus prevents absorption and thinning of the tissues.

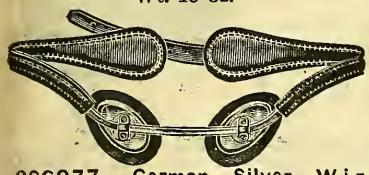
We use only the best materials in our trusses and they are fully guaranteed. You cannot make a mistake by ordering these trusses for your patients for the reason that they stay in place and do not slip with the movement of the body.

Order one of these trusses, use it for 30 days, and if you are not satisfied that they are the best made and give better results than any truss you have ever had, return and we will gladly refund your money.

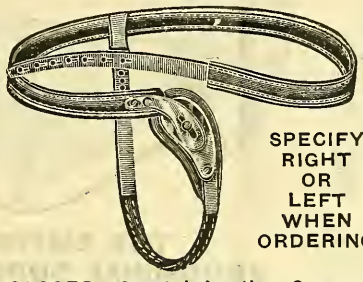
BE SURE TO GIVE SIZE, ALSO IF FOR RIGHT OR LEFT SIDE.



2S6950. Single Elastic, Sponge Rubber Pad. Double end straps which admit of an even and upward pressure, holds rupture firmly in any motion of the body. High grade, two-inch webbing, nickel trimmed.....**$2.25**
2S6950A. Same, youth's... 1.75
2S6951. Same, adult's double elastic, sponge rubber pad.....**$4.00**
2S6951A. Same, youth's... 3.25
Wt. 18 oz.



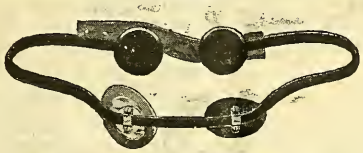
2S6977. German Silver Wire Truss. Leather covered, rust proof and unbreakable. Pads can be placed in position and adjustable to any angle. Single only. Price.....**$3.50**
2S6978. Same, double..... 5.25
BE SURE TO SPECIFY SIZE, ALSO IF FOR RIGHT OR LEFT HERNIA, WHEN ORDERING.



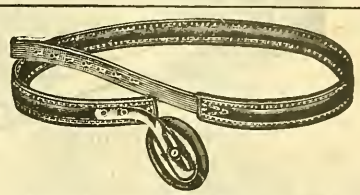
SPECIFY RIGHT OR LEFT WHEN ORDERING

2S6973. Scrotal, Leather Covered, Sponge Rubber Pad.$3.25 Wt. 20 oz.
2S6973A. Same, child's sizes. Each **$3.00**
2S6953. Adult's Scrotal, Elastic, Sponge Rubber Pad.....$2.75
2S6953A. Same, youth's... **1.90**
Wt. 12 oz.

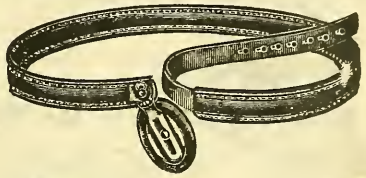
The best Hard Rubber Truss ever made.



2S6980. Extra Light Body Band, ⅜ in. wide. Has adjustable or swivel back pads. Sponge rubber pad with extra dummy pad for single hernia, each .....**$3.50** Wt. 16 oz.
2S6981. Same, double sponge pads, each.....**$5.25** Wt. 20 oz.



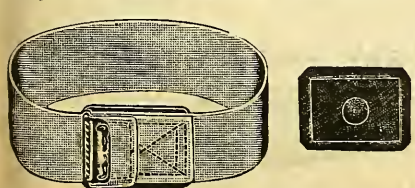
2S6956. Adult's Single, Leather Covered, Sponge Rubber Pad. Comfortable and easy. Pad can be set at any angle and will fit either side by removing screws and inverting plate. Price .....**$2.75** Wt. 18 oz.



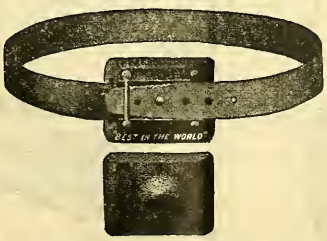
2S6959. Chase Single Leather Covered, Sponge Rubber Pad, right or left, any angle or position. For inguinal or femoral hernia.....**$2.75**
2S6959A. Same, youth's and infant's. Price.....**$2.00** Wt. 18 oz.
2S6960. Adult's double....$5.50
Wt. 27 oz.
2S6968. Chase Hard Rubber Reversible with Sponge Rubber Pad. Highly polished, nickel trimmed, single .....**$2.50** Wt. 18 oz.
2S6968A. Same, youth's and infant's. Price.....**$1.75**
2S6969. Same, double, adult's. Price .....**$4.00** Wt. 20 oz.

Umbilical Belts

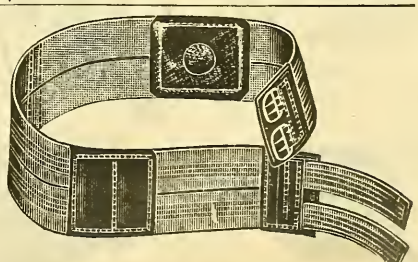
Specify exact size in inches around body on direct line with umbilicus.



2S6974. Sponge Rubber Pad, Umbilical, infant's or youth's, the only one that will absolutely stay in place and do the work.....**$1.00** Wt. 5 oz.



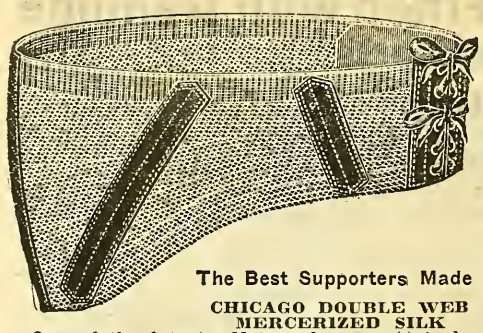
2S6976. Baby's All Rubber Navel Bandage. Pure gum body band. Can be washed, has sponge rubber pad, each.....**$1.25** Wt. 4 oz.



2S6975. Sponge Rubber, Umbilical, adult's size, 2 bands. A wonder, especially as it conforms to the body and can be worn with a corset. Price .....**$3.25** Wt. 10 oz.

Send for our complete Catalogue of Trusses and Supporters. We carry the largest line in America.

ABDOMINAL SUPPORTERS



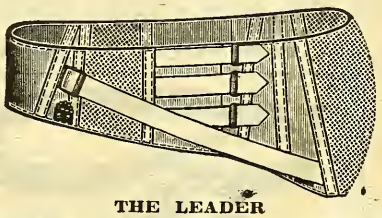
The Best Supporters Made

CHICAGO DOUBLE WEB MERCERIZED SILK

One of the latest. Not made over 44 inches. Well stayed, double web top and bottom and perineal tips.

2S7126. 7-in. **$3.25** **2S7126A.** 9-in. **$3.75** **2S7126B.** 11-in. **$4.25**

Wt. 14 oz.

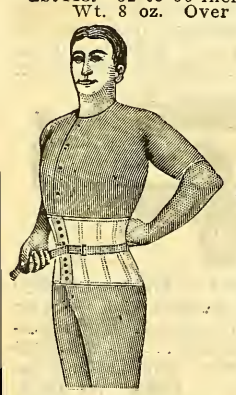


THE LEADER

Sold daily at from $4.50 to $7.50. Silk elastic front and sides. Finest material and well stayed. Has lift up straps and perineal tips.

2S7113. 28 to 44 inch, 7 inch front....**$2.00**
2S7114. 30 to 48 inch, 9 inch front.... **2.25**
2S7115. 32 to 56 inch, 11 inch front.... **2.50**

Wt. 8 oz. Over 50-inch **50c** extra.



Always give size when ordering Supporters or Trusses.

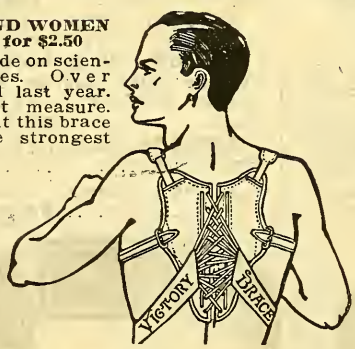
Abdominal Binder for Men

2S7003. Well stayed and made of extra strong material, just the thing for fleshy men.
Each **$2.25**
Wt. 8 oz.

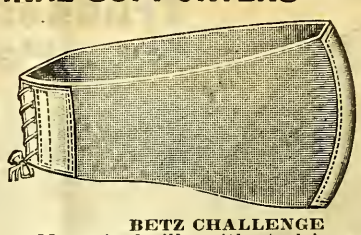
FOR MEN AND WOMEN
Sold Daily for $2.50

2S7093. Made on scientific principles. Over 3,000,000 sold last year. Specify chest measure. Any one can fit this brace Made of the strongest open weave linen mesh.

Each **$1.25**
Wt. 12 oz.
One dozen **$12.00**



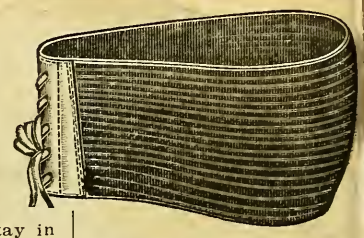
2S7520. Dr. Walker's Natural Form Forearm Splints. Will fit any arm; 5 sizes. Price per set of ten sizes, 5 rights and 5 lefts.....**$8.50**
Single splints..... **1.00**



BETZ CHALLENGE

Mercerized silk, with steel bone stay in front. Reinforced edges. Cannot turn up.
Wt. 12 oz.

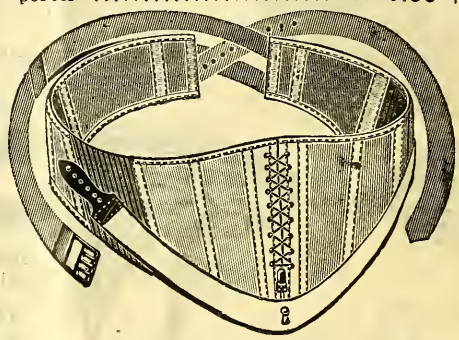
2S7117. Under 36 in., 8 in. front..... **$1.75**
2S7118. Under 50 in., 8 in front..... **2.25**
2S7118A Under 36 in., 11 in. front..... **2.00**
2S7118B. Under 46 in., 11 in. front..... **2.50**
2S7118C. Umbilical Pad for above supporter **1.00**



REINFORCED LISLE

The Summer Supporter. Not made larger than 44 inch.

2S7116. 7 inch..**$1.50**
2S7116A. 9 inch.. **1.85**
2S7116B. 11 inch. **2.25**
Wt. 8 oz.



Knecht's Pregnancy Supporter

With elastic sides and separate strap for elevating or letting out the lower part of the abdomen. Crosses at the back and laces in front, which makes it universal. Others get $5.50.

2S6906. 7 in. front, sizes 30 to 44, each.....**$2.25**

2S6906A. 9 in. front, sizes 32 to 50, each..... **2.50**

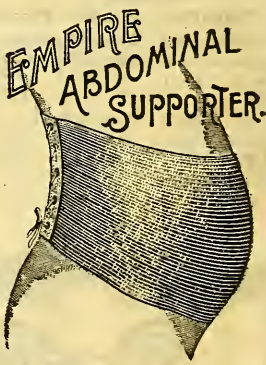
Wt. 12 oz.

THE EMPIRE ABDOMINAL SUPPORTER

Is superior to all others for the following reasons:

1st. It adapts itself to every movement of the body, giving strong and even support.
2d. It produces warmth without irritation or sweating, as it is perfectly ventilated.
3d. In pregnancy, corpulency, tumors, or other cases of enlargement of the abdomen, it supports weight of body from the backbone, relieving the sinews of their overwork.
4th. Its easy appliance (lace and draw on over head or feet).
5th. It is cheap, durable. It can be washed when soiled, proper care being taken to cleanse in lukewarm water and dry in the shade.

Supplied up to 44 inch only.



In Ordering, Give the Measure of Abdomen.

2S7170. 8 inches wide **$2.50**
2S7171. 11 inches wide **3.00**
2S7175. 8 inches wide, silk finish **3.50**
2S7176. 11 inches wide, silk finish **4.50**

We can also supply this supporter made of double strength rubber which is for use in case where extra strong support is wanted.

2S7172. 8 inches wide **$3.00**
2S7173. 10 inches wide **3.50**
2S7174. 12 inches wide **4.00**
Wt. 8 oz.

2S7101. Infants' Abdominal Binder. The pinless body band, goes twice around the baby's abdomen, soft and elastic, yet firm. No pins, buttons or sewing necessary, fastens with twistless tape bows, each....**35c**

ADJUSTABLE X-RAY FIBRE SPLINTS

Every physician should have a complete assortment of splints. These are the only splints for X-Ray as they offer no resistance. Can be moulded by placing in hot water or by holding over a stove, turning them from side to side until evenly heated. When cold, they regain their former rigidity.

2S7518 Complete set of 41 assorted Splints.....**$15.00**

DEFORMITY APPLIANCES ARTIFICIAL LIMBS ELASTIC STOCKINGS

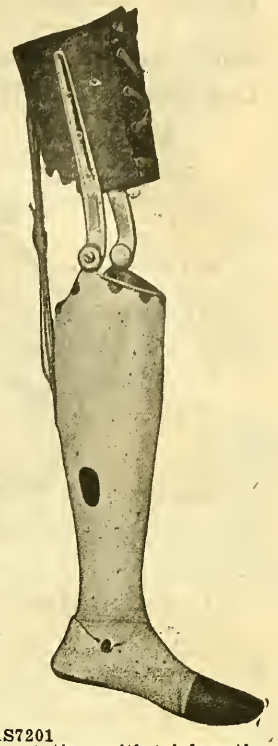
GUARANTEE

We guarantee every brace, appliance or artificial limb to be constructed of the very best material and highest grade workmanship. We also guarantee all work made according to measurements, specifications and instructions received with the order and that it will fit the case for which it is intended, provided measurements and instructions furnished are correct.

Write for our complete Orthopedic catalog showing more than 100 different forms of Spinal Braces, Leg and Hip Splints. Every order made to measurements. We guarantee workmanship, material and a perfect fit. Send us a brief description of your case and our expert fitter and master Orthopedic mechanics will assist you in selecting the proper appliance and preparing your order.

Every elastic stocking ordered is woven special to measurements, of the best rubber, covered with silk or cotton thread as specified. Full instructions for the care of Elastic Goods sent with order.

Apparatus for Paralysis of Both Legs.

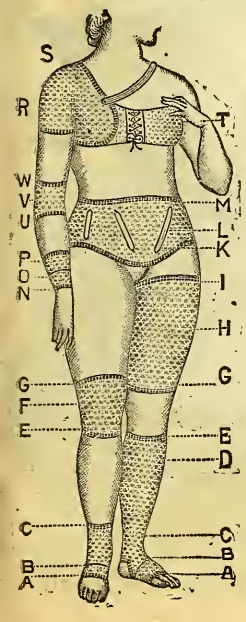


11S7201
For below the knee amputation, with triple action ankle joint $75.00
Same Leg, with rubber foot. Price..... 65.00
Write for circular and measurement blanks.

We make a special line of Braces for INFANTILE PARALYSIS. Send for the circular. Let us know what parts are affected and we will forward necessary information about Braces for each case

DIRECTIONS FOR TAKING MEASUREMENTS FOR ELASTIC HOSIERY

Take the **exact** circumference at points indicated by letters, and **length on inner side of limb** as noted below; when the piece extends above the knee **always** divide the length measurement at F, or center of knee as it is important to locate knee exactly.



WE ALLOW FOR COMPRESSION

When ordering state quality desired, whether Heavy Weight Silk Elastic, Light Weight Silk Elastic, or Cotton Elastic, **Heavy Weight Silk** Elastic goods sent unless otherwise specified on order.

12S7090. THE GARTER LEGGING
Circumference at C D E. Length from E to C.
Extra Heavy Silk..... $2.25
Fine Silk..... 2.00
Cotton 1.50

12S7091. THE THIGH KNEE CAP
Circumference at E F G H I. Length from E to F and F to I.
Extra Heavy Silk..... $4.25
Fine Silk..... 3.90
Cotton 3.25

12S7092. THE KNEE LEGGING
Circumference at C D E F G. Length from C to F and from F to G.
Extra Heavy Silk..... $4.25
Fine Silk 3.75
Cotton 3.00

12S7093. THE ANKLET
Circumference at A B C. Length from sole of foot to C.
Extra Heavy Silk..... $2.20
Fine Silk 1.95
Cotton 1.40

12S7094. THE THIGH LEGGING
Circumference at C D E F G H I. Length from C to F and from F to I.
Extra Heavy Silk..... $5.75
Fine Silk 5.25
Cotton 4.50

12S7097. THE KNEE CAP
Circumference at E F G. Length from E to G.
Extra Heavy Silk..... $2.20
Fine Silk 1.95
Cotton 1.40

12S7098. THE GARTER STOCKING
Circumference at A B C D E. Length from sole of foot to E.
Extra Heavy Silk..... $3.00
Fine Silk 2.50
Cotton 2.00

12S7101. THE KNEE STOCKING
Circumference at A B C D E F G. Length from sole of foot to F, and F to G.
Extra Heavy Silk..... $5.00
Fine Silk 4.50
Cotton 3.75

12S7103. THE THIGH STOCKING
Circumference at A B C D E F G H I. Length from sole of foot to F, and from F to I.
Extra Heavy Silk..... $6.50
Fine Silk..... 6.00
Cotton 5.25

THE ONLY LINE OF INVALID ROLLING CHAIRS SOLD DIRECT BY THE MANUFACTURERS

That is the reason we can so successfully combine Price and Quality. Every chair sold under a binding Guarantee of Satisfaction or your money will be cheerfully refunded.

With Divided Adjustable Leg Rest. Our Price $19.35

15S208. Adult's Chair. Steel Rim Wheels .. **$21.30**

15S209. Adult's Chair, ¾ in. Rubber Tire Wheels **$27.90**

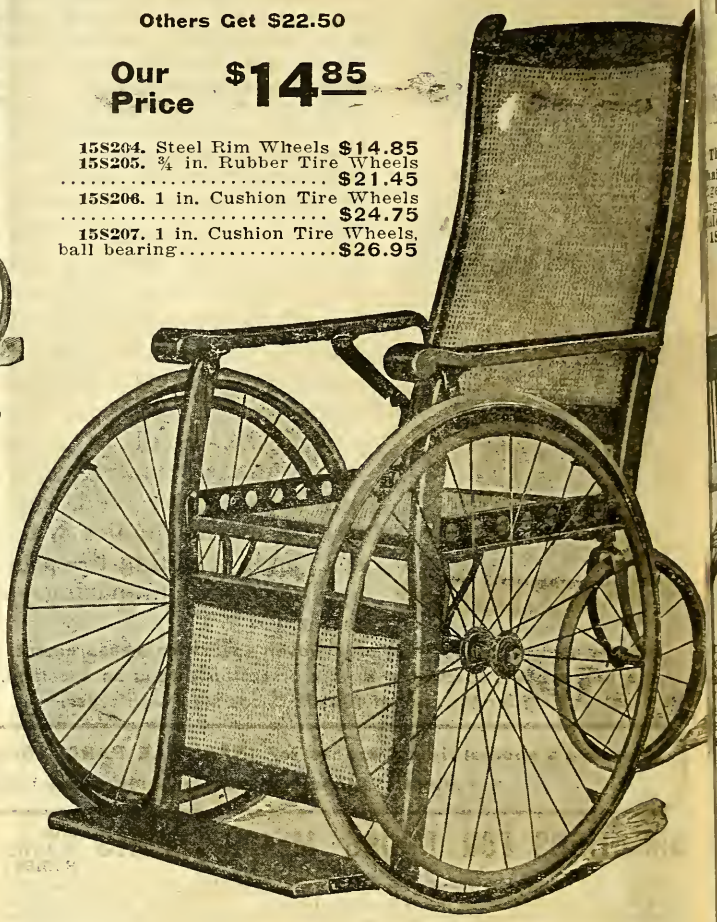
15S211. Adult's Chair, 1 in. Cushion Tire Wheels ball bearing ... **$33.75**

Reclining Rolling Chair

Others Get $22.50

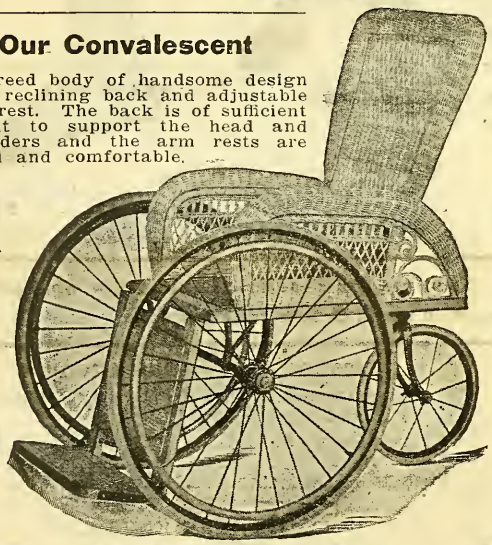
Our Price $14.85

15S204. Steel Rim Wheels **$14.85**
15S205. ¾ in. Rubber Tire Wheels **$21.45**
15S206. 1 in. Cushion Tire Wheels **$24.75**
15S207. 1 in. Cushion Tire Wheels, ball bearing.....**$26.95**



Our Convalescent

A reed body of handsome design with reclining back and adjustable foot rest. The back is of sufficient height to support the head and shoulders and the arm rests are broad and comfortable.



15S268. Steel Rim Wheels.....**$20.00**
15S270 1 in. Cushion Tire Wheels . **27.50**
15S271. 1 in. Cushion Tire Wheels, ball bearings **29.70**

Famous World's Fair Chair

The most popular for out doors. Has comfortable rattan body with large arm rests, adjustable foot rests with guards over each wheel; push handle, all making it one of the lightest running chairs to ride in. Mounted on flexible springs. Has small cabinet attached to the back for holding books, etc.

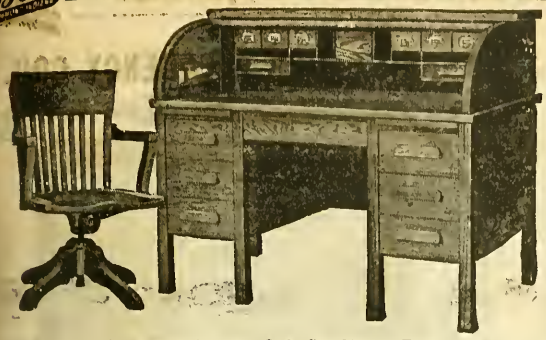
15S273. ¾ inch Cushion Tire Wheels ... **$26.40**

15S275. 1 in. Cushion Tire Wheels, ball bearing **$31.90**

Combination Indoor and Outdoor Reclining Rolling Chair

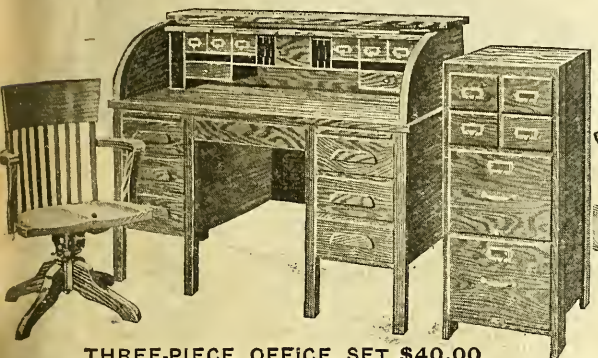
Two Chairs Combined in One

15S224. Steel Rim Wheels.....**$20.50**
15S227. 1 in. Cushion Tire Wheels, ball bearing **33.70**



This Beautiful Solid Oak $40 Sanitary Desk and Swivel Chair, finished fumed or golden oak. With 5 drawers below. Pigeonholes, drawers, etc., above. Extension slides. Extra large drawer between pedestals. Safety compartment with Yale lock. Roll curtain.

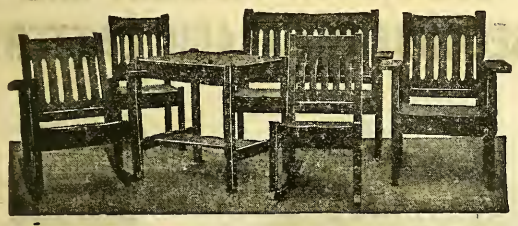
1S720. Both for **$27.50**



THREE-PIECE OFFICE SET $40.00

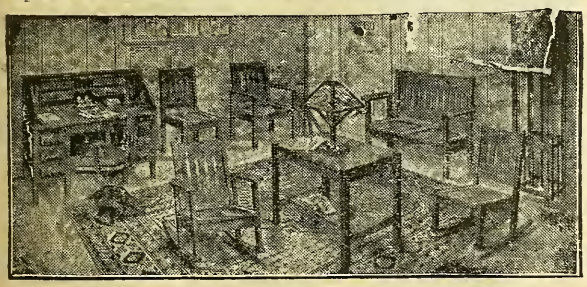
Includes Sanitary Roll Top Desk with pigeonhole boxes, and safety compartment, Yale Lock—Desk Chair, Quartered Oak—regular $8.50 value, and Filing Cabinet including four card file drawers and two correspondence drawers together with four sets of alphabetical card file guides, 200 special ledger cards, 400 plain ruled cards, 200 physicians' case record cards, also 25 guides and 200 manila folders for correspondence files. Made of solid oak, finished fumed or golden.

1S4977. Three-Piece Office Set.....**$40.00**



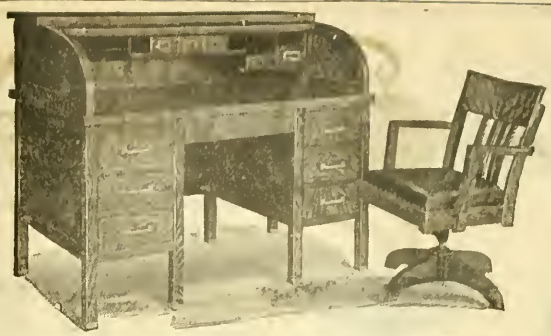
SIX-PIECE "NEW YORK" SET ONLY $25.50

1S725. Fifteen hundred sets of this style have been sold and the demand is as heavy as ever. Exceptionally heavy construction. Chairs and settee are made with solid oak saddle seat. Finished in fumed or golden oak.



"CHALLENGE" $162.00 OFFICE OUTFIT $75.00

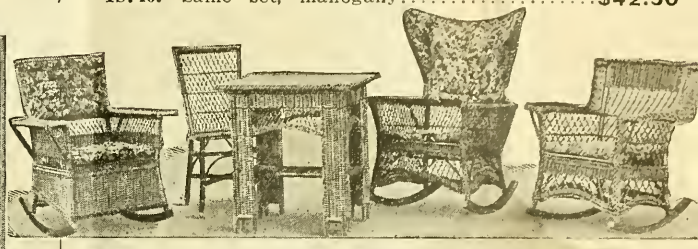
We have sold an enormous number of this set and for actual service and heavy construction it is impossible to surpass. Not as "classy" as the "Premier" office outfit, but a winner at our price. The set includes roll top sanitary desk, office chair, costumer, hall clock, settee, arm rocker, arm chair, ladies' rocker, straight chair, library table, reading lamp and 8¼x10½ foot genuine Axminster rug. Your money back if your dealer can buy this set elsewhere at our price.



QUARTERED OAK DESK AND CHAIR $37.50

1S735. Worth $50.00. Chair is made with genuine automobile spring seat, an innovation in office chair construction. The desk alone was formerly sold by us for $35.00. Heavy cast brass drawer pulls and brass foot sockets. Conveniently arranged. The entire set of superior quality and a winner at this price. Furnished in fumed or golden oak.

1S740. Same set, mahogany.....**$42.50**



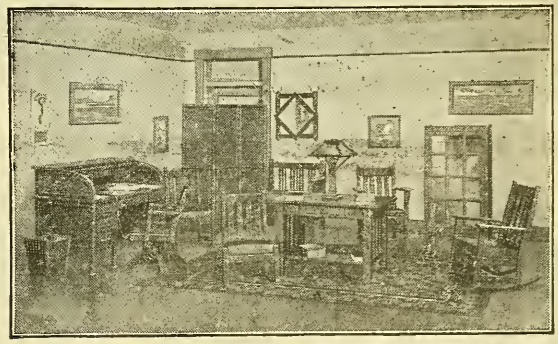
FIVE-PIECE UPHOLSTERED REED SET $35.00

At ordinary retail prices three of the pieces included in this set would cost you nearly as much as our price for the entire set. We will mail you samples of either cretonne or tapestry used in upholstering this set upon application. Shipped complete from our Michigan factory.

Five-Piece Upholstered Reed Set. Cretonne.....**$35.00**
Tapestry **37.50**

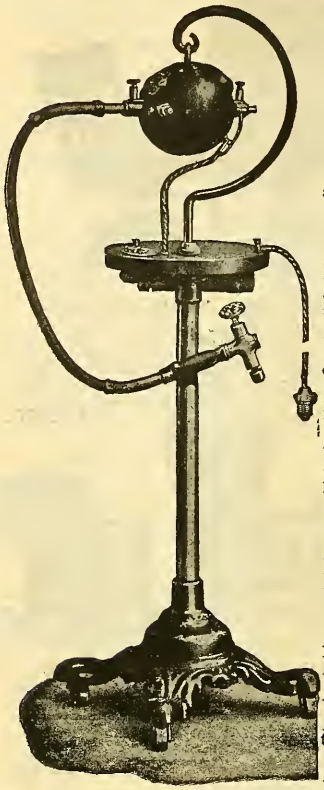
ILLINOIS FIVE-PIECE SET ONLY $33.50

1S733. Think of buying five pieces of genuine Hand Craft Mission Furniture for $33.50. This is what we offer in the Illinois five-piece set. All pieces are made by the same manufacturer of the well known Hand Craft furniture that we handle. Made of quarter sawed oak, all chairs being equipped with genuine leather upholstered auto spring seats. The regular price for this five-piece set would be nearly $60.00. Furnished in fumed or golden oak.



"PREMIER" $225.00 OFFICE OUTFIT ONLY $99.50

Not only "Office Quality" but good enough for any home. Genuine quartered oak Hand Craft furniture, chairs being supplied with genuine leather automobile spring seats. The set includes 54-inch desk, spring seat office chair, book case, hall seat, hall mirror, library table reading lamp, arm rocker, arm chair, ladies' rocker, straight chair, 3 fold screen, mission waste basket and an 8¼x10½ foot genuine Axminster rug. Dealers would have to pay $106.40 for the same goods at current wholesale prices.



COLOGNE VIBRATOR

Let us send you the Cologne for a 30-day FREE TRIAL.

A substantial, well made vibrator that will oscillate in any position desired. Does not tire the operator and with care will last a lifetime.

Have your banker write that you will treat us just as we want to treat you; that you will test our vibrator for 30 days, and if not satisfied you will send it back; if satisfied you will send us $47.50 for the 110 Volt Direct Current, or $50.00 for the 110 Volt 60 Cycle Alternating Current Vibrator.

We want to treat you right and we would like nothing better than have you order some $100.00 vibrator when you order ours. Test them both and keep the one you like best or, to be plainer, keep the one that costs the most money to make, that will give the best results and that will outlast any vibrator on the market.

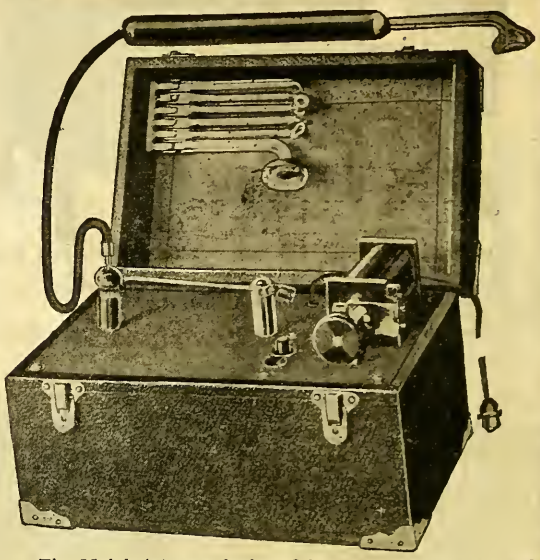
9S4301. For 110 Volt D. C. Price **$45.00**

9S4302. For 110 Volt 60 Cycle A. C..... **$47.50**

9S4303. In square cabinet, extra **$5.00**

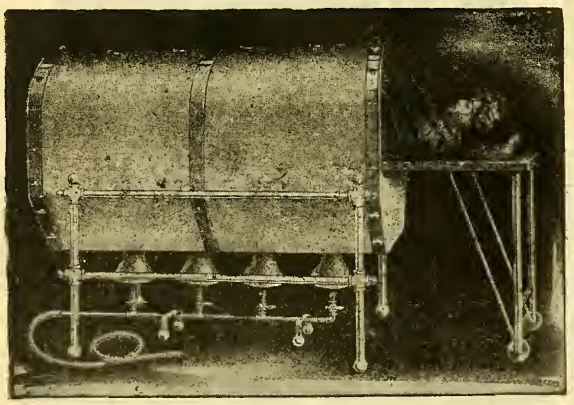
9S4304. In round cabinet, extra **$8.00**

MALCHRIST HIGH FREQUENCY COIL



The Malchrist was designed in response to a demand from the profession for a powerful, high grade coil, weighing no more than 20 pounds, that will give a satisfactory high frequency current, ranging from the smallest spark to a volume large enough to do fulguration work with and give superficial X-Ray treatment. This coil is mounted in a box 9x10x16 inches. The Switch, Primary Coil and Posts are mounted on beautifully polished hard rubber. The outfit will operate equally well on alternating or direct current; it comes complete ready to attach to the lamp socket. Included with it is a set of five High Frequency Electrodes with handle. Shipping weight 20 pounds.

9S205. Price complete **$25.00**



BETZ BODY HOT AIR APPARATUS—WRITE FOR PRICES

Send for our FREE BOOK on the Dry Hot Air treatment of rheumatic, joint, kidney, liver, blood and skin trouble with dry hot air at 450 degrees Fahr. Operated by gas, gasoline, alcohol and electric heaters.

CEDERGREN PRIMARY AND SECONDARY FARADIC BATTERY

ONLY $4.50

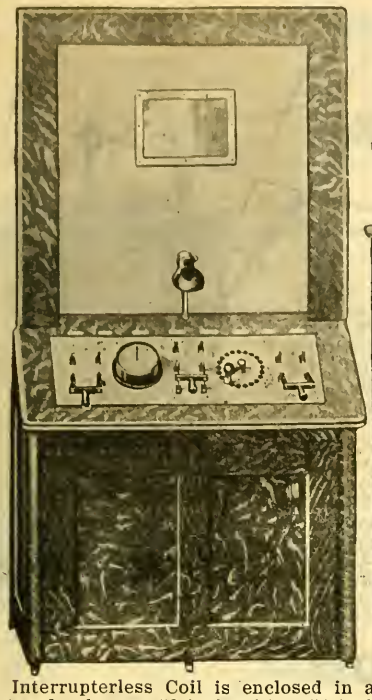
9S1265. Over 15,000 in use—guaranteed equal to any $12.00 Faradic Battery on the market and superior to some at $20.00. Our price only..... **$4.50**

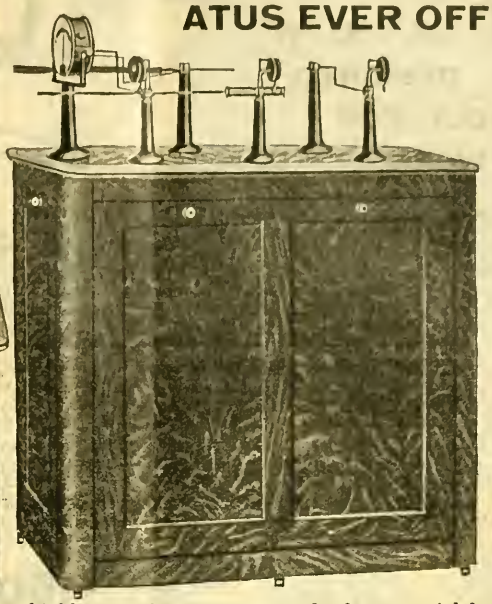
We carry a complete up-to-date line of Wall Plates. Write for particulars if you are interested.

The Betz Imperial Interrupterless Coil

THE MOST UNUSUAL VALUE IN HIGH-GRADE X-RAY APPARATUS EVER OFFERED

ALMOST ONE-HALF WHAT OTHERS ASK.





SERVICE AND EFFICIENCY GUARANTEED.

The Betz Interrupterless Coil is enclosed in a highly polished quartered oak case, 52 inches high, 54 inches long and 30 inches wide.

THE TRANSFORMER is of the closed core type, which is the only type that has received the approval of the leading Roentgnologists of America. The core is 31 inches long and about 20 inches wide—has a cross sectional area of 16 sq. In.

Repeated tests are made to insure a perfect secondary. The primary is amply heavy enough to carry the full load input of the transformer (16.5 K. W.) for hours without undue heating.

Owing to the correct proportions of the core and primary, we use a much larger wire in the secondary than is usually found in interrupterless transformers, which enables us to obtain a much greater volume of current at the secondary terminals, with less expenditure of energy, than is possible with the majority of other outfits. Several of the most prominent manufacturers of X-Ray transformers use wire in the secondary of their machines that is as fine as a hair. The secondary of such a transformer has a resistance three times as great as ours, which means that the voltage induced in it must be three times as high to produce current of equal volume at the secondary terminals. Our transformer will run, if necessary, 10 hours under its rated load of 16 K. W. It is capable of a 150% overload. Provision is made for using this overload in the making of difficult flash pictures.

THE MOTOR AND RECTIFYING DISK. The motor is of the single synchronous induction type. There is nothing whatever to get out of order on it. All the care it requres is a few drops of oil occasionally.

On the motor shaft is mounted a single 21-inch mica disk with two segments of aluminum secured to its periphery. This disk is carefully balanced before mounting in order to eliminate the noise that would otherwise result. These revolving segments commutate the alternating current into direct current. But twenty degrees of the sine wave of the alternating current is used. Some manufacturers attempt to use almost the entire wave, but experience has proven that the use of more than twenty degrees is injurious to the tubes, and will produce no better radiographs.

A well equipped switchboard and protective screen is furnished with the outfit. Upon the switchboard are mounted a motor switch, a polarity indicator, a polarity changing switch, a rheostat controller handle, with twenty-four contacts, and a heavy, quick-break, double pole, single throw knife switch. The latter is connected in series with the transformer main and throws the current in and out of the transformer primary.

There are no inductances used to control this outfit. It is a proven fact that inductances distort the sine wave of the alternating current, giving an effect that is highly injurious to X-Ray tubes. The only thing to be said for the inductance method of regulation is that it is cheap and convenient for the manufacturer. We use the resistance method of control. The rheostat is air-cooled and is not wound on asbestos drums, but is wound in spirals suspended in the air from asbestos boards. This is the best construction possible to keep the rheostat cool.

The arrangement of the spark gap, tube regulator and terminals is not by any means the least important feature of this outfit from the standpoint of convenience and safety. We use the third terminal system with a permanently connected milliamperemeter which is provided with three scales—0-10, 0-150, 0-500. The tube regulator is the best we have ever seen; there are no strings to pull nor clumsy wires waving about among the high tension terminals as is usually found. Instead, there is a small fiber rod at one end of the machine. By pushing or pulling this rod, the tube is lowered as much as may be desired. The rod will never "knock down" the tube by sticking; it will always return to the neutral point. If it is desired to give treatments with the ordinary gas regulated tube the latter may be kept at a constant vacuum by adjusting the regulator rod on the cabinet and clamping it in place with the small thumb screw. Thus as the vacuum of the tube rises the regulator automatically lowers it.

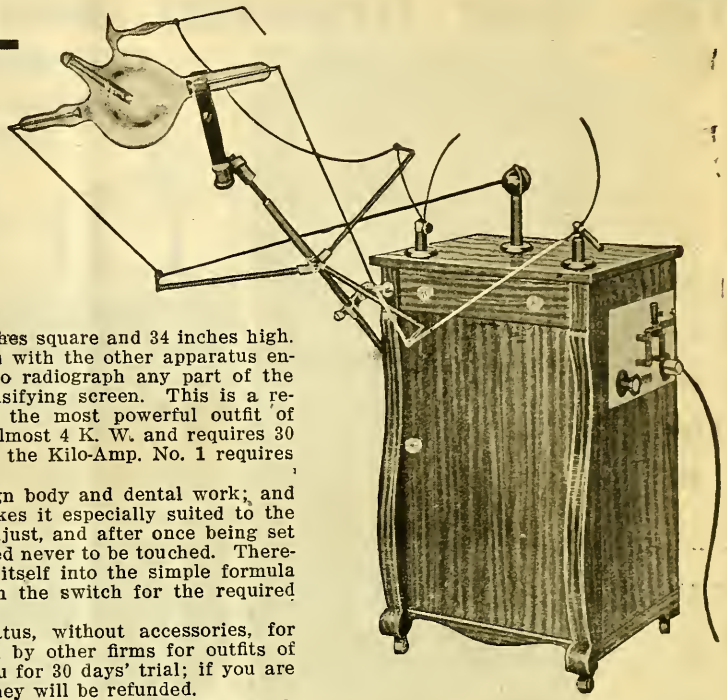
The coil complete weighs over 1500 lbs. and delivers a heavy 10-inch flame. Every man that has seen this coil operated admits that they have never before seen as powerful a flame, or a flame so well controlled at the will of the operator. The essential features in an X-Ray Coil are that it will not burn out—that the amount of current going into it can be absolutely controlled at the will of the operator—that volume and potential must be at all times possible in any quantity desired.

THE BETZ IMPERIAL COIL meets these conditions in every way. Don't pay $1,200.00 for a coil that will do no better work than this one.

Write for complete description and price.

KILO-AMP COIL No. 1

A POWERFUL 2½ K. W. APPARATUS DESIGNED EXCLUSIVELY FOR X-RAY WORK



It is encased in a beautiful cabinet, 20x23 inches square and 34 inches high. A powerful, 2½ K. W. transformer, in connection with the other apparatus encased with the machine, enables the operator to radiograph any part of the body in 20 seconds, without the aid of an intensifying screen. This is a remarkable statement, considering the fact that the most powerful outfit of similar type that the market affords, consumes almost 4 K. W. and requires 30 seconds to take a hip picture. This means that the Kilo-Amp. No. 1 requires 35% less current to do 33% more work.

Its speed is ideal for general fracture, foreign body and dental work; and the ease with which it may be manipulated makes it especially suited to the inexperienced operator; only one regulator to adjust, and after once being set for the kind of work that it is desired to do, it need never to be touched. Therefore, radiography with Kilo-Amp No. 1 resolves itself into the simple formula of placing the tube in position and throwing in the switch for the required number of seconds. What could be easier?

We offer you this powerful X-Ray Apparatus, without accessories, for $150.00—a little more than half the price asked by other firms for outfits of inferior quality and power. Let us send it to you for 30 days' trial; if you are not fully satisfied, return the outfit and your money will be refunded.

9S190. Kilo-Amp. No. 1..... **$150.00**

When ordering state voltage and kind of current.

KILO-AMP COIL No. 6

NEXT IN POWER TO THE INTERRUPTERLESS

Kilo-Amp No. 6 was designed for the average practitioner who wants to do first-class X-Ray work with a reasonable degree of speed, yet who hasn't $600.00 or $800.00 to invest in such an apparatus. Our No. 6 cannot be excelled for X-Ray work. The flexibility of the control is unsurpassed. By properly manipulating the three regulators an infinite number of variations in current strength are obtained, ranging from the lightest glass, vacuum electrode treatment to the heaviest radiography.

This heavy outfit will radiograph any part of the body in 10 seconds, making an ideal X-Ray Apparatus for any kind of work, except pictures of the stomach, which, of course, require an instantaneous exposure. It is equipped with D'Arsonval Transformer that will pass 2,000 milliamperes through the patient. It is mounted in a quartered sawed oak cabinet, occupying a floor space of 24x40 inches. Shipping weight 750 lbs., including accessories. With this outfit we include one High Frequency Tube; one Adjustable Tube Stand, that others bill for $100.00; one Safety Lead Protecting Screen, with lead glass window, sold for $45.00; one Hot Wire Milliamperemeter, for measuring the current used for High Frequency, or Auto-Condensation treatments; one set of Electrodes, complete with all High Frequency electrodes, handles, cords and accessories, making an outfit complete in every detail and ready to attach to the main wires of any alternating current.

9S220. Complete with all Accessories, herewith listed..... **$325.00**

When ordering, state voltage and kind of current.

KILO-AMP X-RAY AND HIGH FREQUENCY COIL

We guarantee this to be the most powerful Suit Case X-Ray Coil ever made. It is excelled only by our Kilo-Amp No. 2, described below.

Kilo-Amp construction is used throughout, which means that you are getting a coil that is correct from the standpoint of both electrical engineer and electro-therapeutist; a coil in which the best materials and best workmanship are used.

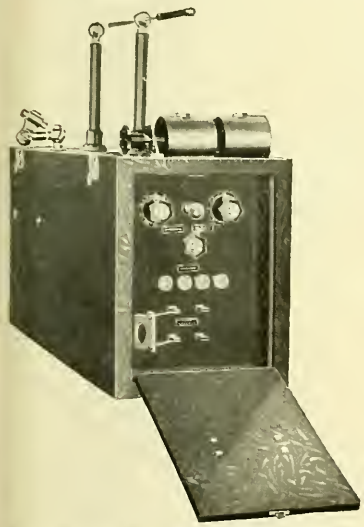
This wonderful apparatus delivers all the treatment currents and is provided with a powerful X-Ray unit; it will radiograph any part of the body in 60 seconds, or less—something that has hitherto been considered impossible with a suit case X-Ray apparatus.

This outfit is so completely under the control of the operator that, it is possible and at the same time practical to get a Diagnostic Lamp Current, Cautery Current, D'Arsonval Current, Thermo-Faradic Current and Low Potential Sinusoidal. This powerful outfit is mounted in a highly polished, quartered oak case, 25x14x7—it comes complete with tube-holder, a number of electrodes and all necessary cords. Write for special circular.

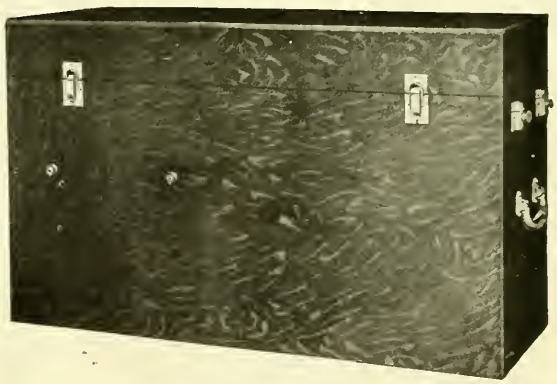
SUIT CASE TYPE

9S206. Without Hot Wire Milliamperemeter. Price **$100**
9S210. With Hot Wire Meter 110.00

KILO-AMP COIL NO. 2



Let Us Save You $100.00 on a Portable X-Ray Coil



A PORTABLE X-RAY COIL equipped with a 2½ K. W. core transformer which develops a current of sufficient volume to take a picture of the pelvis of a 160-pound patient in 18 to 20 seconds, takes a lung picture in 15 to 20 seconds and does fracture work that will make you a reputation—saves lawsuits.

EXCLUSIVE AND UNIQUE FEATURES

THE ONLY PORTABLE COIL WITH A SWITCHBOARD.

Every control at one end of the coil. No detachable regulator handles to get lost. The most powerful portable coil ever manufactured; it consumes 22½ amperes and will take a hip picture in 20 seconds; it is provided with such a flexible control that in an instant it may be converted to a treatment outfit, giving a fine, soft current suitable for treating the most sensitive membranes.

ABSOLUTE REGULATION OF D'ARSONVAL VOLTAGE AND AMPERAGE.

From 100 to 2,000 milliamperes at from 2,000 to 25,000 volts.

SAFETY, REMOVABLE, "WATER COOLED" SPARK GAP.

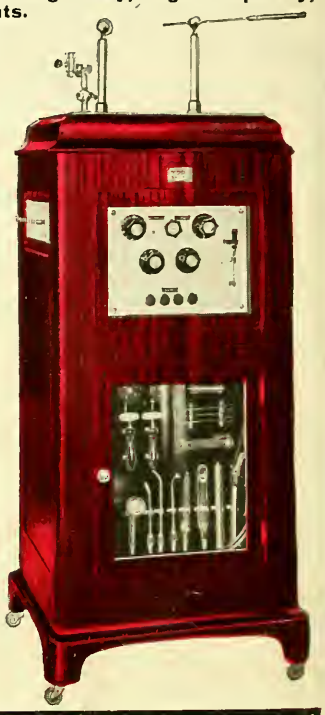
This revolutionary innovation increases the efficiency of the outfit 50 per cent under long continued runs, a feature that enables this, like all other Kilo-Amps Coils, to run indefinitely under full load output.

WRITE FOR COMPLETE DESCRIPTION Price is a second consideration when the utility and a positive assurance of being able to duplicate successful radiographs is taken into consideration.

Always give Current and Voltage when ordering Electrical Apparatus

KILO-AMP No. 4 TREATMENT AND X-RAY CABINET

A Scientific combination of modalities offered in a compact, attractive cabinet and including X-Ray, High Frequency, Sinu-soidal, D'Arsonval, Thermo-Faradic, and Cautery currents.



Kilo-Amp No. 4 is a compact, scientifically constructed outfit delivering the following currents:

SINUSOIDAL, in any strength desired.

THERMO-FARADIC: Indispensable in conditions where a stimulating thermic effect is desired.

D'ARSONVAL: The D'Arsonval unit is especially constructed to meet the demands of the doctor who wants to give this current in massive doses, ranging from 800 to 2,500 milliamperes.

HIGH FREQUENCY: A true High Frequency offering the operator a fine soft current of several hundred oscillations per second. It is under such perfect control that a case of sciatic rheumatism, or the most sensitive membrane may be treated with equal ease.

X-Ray: Kilo-Amp No. 4 is the only complete treatment outfit that has incorporated within it a heavy X-Ray Apparatus. For many years there has been a demand for such an outfit, but it has been claimed that such a combination is impossible. However, we put the problem up to our Engineering Department with the result that we are now able to offer the profession in our Kilo-Amp No 4 a complete outfit with an X-Ray section that will radiograph any part of the body in less than 20 seconds without a screen.

It also delivers the following currents in any desired quantity: Sinusoidal, Cautery, Diagnostic Lamp, High Frequency, etc. This apparatus is mounted in an attractive mahogany cabinet 24 inches long, 24 inches wide and 54 inches high. It is the most beautiful and impressive piece of office furniture we have ever seen.

9S185. Complete with a full set of Electrodes, Cords, Handles, Cautery Knives, etc., as shown in cut. **$350.00**

Write for Complete Description.

EFFICIENCY IN OFFICE APPARATUS

To combine in one cabinet as many Electro-Therapeutic modes as possible, without reducing the efficiency of the apparatus, has been our aim in offering the Kilo-Amp Outfit No. 4 and the Omega Cabinet. Not only does this mean greater economy in floor space, but in the price of the outfit and convenience in treatment. Full detailed description of either of these outfits furnished if desired.

OMEGA ELECTRIC CABINET

A new outfit which has already proved its merit in many physicians' offices

The Omega is our most comprehensive treatment outfit. It is mounted in a beautiful quartered oak cabinet, with white marble switchboards, nickeled fittings, making it an ornament to any office. It delivers more treatment modes than any other outfit manufactured. Over 14 different currents and combinations are at the command of the operator: High Frequency, Morton Wave, Phosphoric, D'Arsonval, Auto-induction, Thermo-Faradic, Sinusoidal, Primary Faradic, Secondary Faradic, Combined Faradic, Cautery and Diagnostic Lamp, etc. In addition to this is the Tankless Air Compressor, delivering Pressure, Vacuum, Pulsation, Massage, besides being suitable for Nebulization, etc.

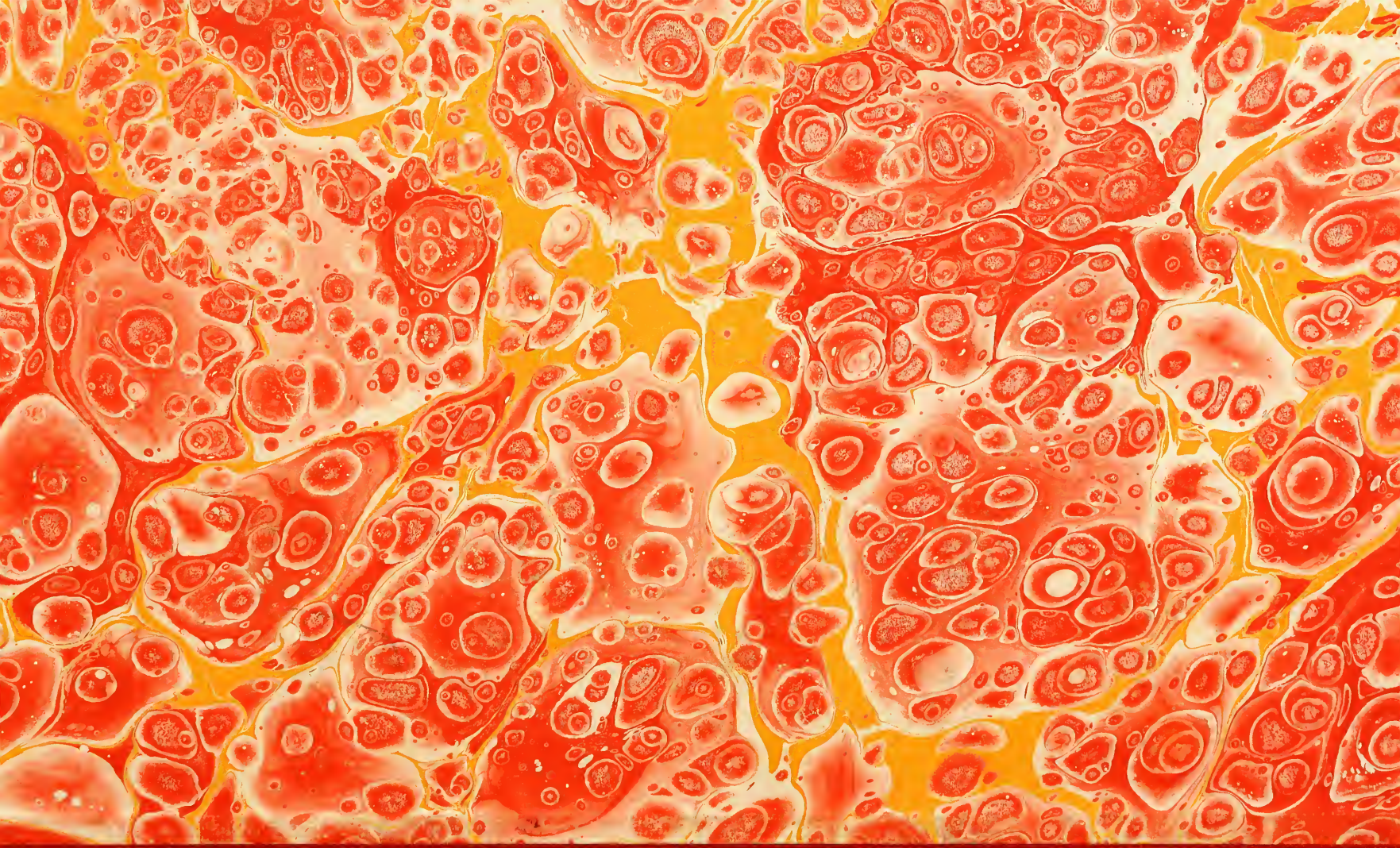
A special provision has been made for X-Ray work, enabling the operator to radiograph any part of the body in less than 100 seconds.

If you are interested in a treatment outfit that occupies the minimum floor space combining from compactness with almost universal utility and power, you will do well to purchase the Omega.

We are able to offer you this masterpiece of electrical engineering, complete with a large number of accessories, for the ridiculously low price quoted below.

A clear saving of $100.00 on prices asked by other manufacturers.

9S180. Omega Complete with Accessories Price..... **$225.00**

Let Us Send You Our Special Circular on the Omega Cabinet.

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